

<110> Rosen et al.

<120> 143 Human Secreted Proteins

<130> PS500P1

<140> Unassigned

<141> 2001-11-08

<150> PCT/US00/12788

<151> 2000-05-11

<150> US 60/134,068

<151> 1999-05-13

<160> 456

<170> PatentIn Ver. 2.0

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<210> 21
<211> 1605
<212> DNA
<213> Homo sapiens

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<210> 22
<211> 967
<212> DNA
<213> Homo sapiens

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<222> (656)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (754)
<223> n equals a,t,g, or c

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tcatccctct ccacctccag tggatgataa tatcaaggag tgtcctctctg cctctyttcc 720

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ctcttccacc	ctcagtggtg	gataatctca	agactcctcc	cttagctact	caggaggccg	900
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aacctta						967

<210> 23
 <211> 1236
 <212> DNA
 <213> Homo sapiens

<400> 23						
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<210> 24
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 24						
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<210> 25
 <211> 898
 <212> DNA
 <213> Homo sapiens

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 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (502)
 <223> n equals a,t,g, or c

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gggtytacgg agacattttc tattttctctg ggcagggtcat ccaaacacta tctaccctctc      180
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gaatatctct tcttggtttg tctgtcccat tcaaccctgg actatgccaa gctgcccac      360
tgcttagagg ctcttggggc tagtcagggtg ggcattgtggg ggatttcaag gtgcttggcc      420
agtttagccc tgccaggacc tgctgcagct ctgtcctgcc cactgccgnc acccccattc      480
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cccaccctag cgtgtcagtg ttggtgtcca atttctagca ggacagggtg acaaaaagacg      600
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gtattgtaaag atttttctcc ttaaaactga ggcctgggctg agtgcagttg ctacgcctgt      780
taattccagc ttggggagcg tgagggtgat agatctcctg agtcaggagt tccagagcag      840
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<210> 26
 <211> 718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (703)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (704)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (706)
 <223> n equals a,t,g, or c

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<400> 26
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ctctattatg taaacactat tacagtcacc agtgtgtgaa gactcttgag tctggttctc      540
atatacagat catcattttt cttcctgtg aataaaaatgc cttgtggact tcccaaaaa      600
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<210> 27
 <211> 1059
 <212> DNA
 <213> Homo sapiens

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<400> 27
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agccccagaac	caataaacgga	agctcaacat	agttctgcag	cagcttcaca	aattctgtac	180
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<210> 28
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 28						
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<210> 29
 <211> 3285
 <212> DNA
 <213> Homo sapiens

<400> 29						
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<210> 30

<211> 1528

<212> DNA

<213> Homo sapiens

<400> 30

ggcacgacg	ataatggagg	ctactataaa	aattgaatga	gaaagtcagt	gagatgcact	60
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ccaataaaaa	ataatttctg	agtaactcac	gcctactgta	caaagttaaca	atbctctcct	180
cccttttccat	ctttcttctc	tccagttcta	ctcttgagaa	agtaatccct	aaataacagt	240
ttggtgtgtat	ccaaaaaagc	ttttttgtag	catattcttc	caaagtgttt	gaagcatcttc	300
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ataaacagga	aatagcacat	attccccctt	tgaggctaga	atggcaggcc	taaaatgagt	420
aggagaattc	tgagaaatgt	aaactttaaa	aaggcggcaa	cttctcagtt	tcattctccag	480
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tttctagcct	ttgaggatta	ccactgtctc	cagcccaact	gcagggaact	ctagtagtat	600
cagagctcct	ggaactttct	catcttttca	gcatctcaac	ctgtgggaat	cttttaactc	660
ccaaggtaag	tacagatgtg	ccagagagat	ctaaagccat	cttatccaat	ggaatggaga	720
gtctctcaaa	gagacctcat	aactccaaga	ctgaataact	ctctgtggct	acagactctt	780
ccagataac	ccactttag	caagagagga	tgaagttagc	actttaggct	tacactttta	840
atacaataag	gaaatagaca	atgagaggag	ctggtcccta	gactgtactc	actctctagc	900
tgaggccagg	gatgtaggac	tcaagcccag	aggaacctgg	ctgggctgag	agaaagagat	960
tgagagggtt	ctcatagttc	tggggaacaa	accttcagat	aagacaagtg	aggagacttg	1020
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cccagctgtg	tgctcagttg	tcgcatcaca	actcactgca	gcttcgacct	ctcagggtct	1140
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tgcttgctta	attttttctg	ttttctgtga	gaggaagtct	tgctcagattg	accagctctg	1260
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catatgaaaa	ggggtttctt	atttttctta	ttgttttttt	tttgagacag	gctctcaact	1440
tgtaaccagg	agctggagtc	gtgagtgcaa	tcgtggctca	ctgcagcttc	aaactctccc	1500
ggctcaagtg	atctctccctg	ctcagact				1528

<210> 31

<211> 814

<212> DNA

<213> Homo sapiens

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aattaacctc	cactaaaggg	aaacaaagct	ggagctccac	ccggtgtcgg	ccstctcara	120
aytaktggtc	ccccccggct	cgagaattcg	cattggggggc	ctctgggctcc		180
cactctcatt	tgctctcctg	tcgctgaattc	ctgctaccac	gtgggggttg	gtgagccctg	240
cactcgtcgc	gcctctgggc	aactgggaatc	atggaagaagt	tttggggcct	ctctccccc	300

taaggactgg	acccttgggc	cctctctccc	ctttttttct	atttattgta	ccaagacag	360
tgggtggtccg	gtggagggaa	gacccccctc	caccccaagg	ccttaggagg	gggtgggggc	420
aggtaggggg	agatggcctt	gtctctctct	gctgtacccc	cagtaaaagag	cttcttcaca	480
aaaaaaaaaa	aaaaaaaaaa	ctccaggggg	gcccggtacc	caattcgccc	tatagttagt	540
cgtattacaa	ttcactggcc	gtcgnnttaa	aagt			574

<210> 34
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (44)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (70)
 <223> n equals a,t,g, or c

<400> 34	tcactaaagg	gaacaaaaag	ctggagctcc	acncgttggc	ggcngctcta	gaactagtgg	60
	atcccccggc	ctccaggaat	tcggcacgag	tttactattc	atgaagtggg	aatggatcat	120
	catgaaggct	ttcatccctg	tcttcacatt	gagtaggccta	tcttgcgtgc	tcagggggtg	180
	cagagggcga	agaggtggag	gaagtgggat	gggaggcgga	agaggtggag	gaagtgggat	240
	ggaaggcggg	agaggcaggc	acacttgggt	taacttttgt	tgaaaaataa	tctttgtata	300
	agtggaacca	cgagttcaa	acgtgttgtt	caagggtcaa	ctgtggtcat	atgtgcgggg	360
	ttctttagcc	attaggtctc	agaaatttag	ctgaatttag	ccagacatag	tagcacacgc	420
	ctatagttcc	agtcgttga	gaggctgagg	cggggaagtc	acctgaaacc	agactgcagt	480
	gggctatgat	ggtgtcactg	cactccagcc	tgggtaaacac	agtgagactc	catatcaaaa	540
	aaaagaaaaa	aaaaaaaaaa	aaactcgagg	ggggggcccg	taccaaatcc	gccctatagt	600
	gatcgtatta	caattcactg	ggccgctcgt				629

<210> 35
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (887)
 <223> n equals a,t,g, or c

<400> 35	gaattcgcca	cgagctgaat	cttaaaactac	cagtggggaa	agctgaaaaa	cagccctaatt	60
	tacatttgcag	atgcaaaagc	tcagaaattg	gtggaaaattg	aaaaataagg	tgaacgtggg	120
	atgaaaagag	aagatctgat	tatacatctt	ccttttaaga	gaaaattgaa	ggttttattct	180
	ctgcagagct	aaagacagtg	tctctggact	agaaaaacct	aggtgcacaa	ctgtctgggtg	240
	gtgctggaat	gaaaaatgag	gaaaaaaaagt	ttctatgctg	aatattataa	ctctcttcta	300
	ctgctccctat	ttctcccgag	gaacaaatgac	agtaggcagg	atataggaa	agtcactctt	360
	ggggaaatcag	accagccctaa	gaacaaaatat	ctaaagggtat	taatatggga	gatcccaagg	420
	aaatggctcta	gccagacgta	ctaaaaggaa	gaccatattt	gacaagcttc	acacacgttt	480
	gcacaaattcca	atcaattttt	tagtgtttcac	ttatacatat	gaacagatgg	caaaaggatga	540
	ccaggactatt	gaggatgaaa	acattatgaa	atatgggaat	gtgcacaaa	aagaaaaagt	600
	ggttgcagta	agtagaattt	atatagagag	aacatttcaa	aaaaactgtta	aagagtatcc	660
	tcmaagagat	aagagaaggt	gttactttca	tgaataaagg	cagtaaaact	cttgaaaaa	720
	aagaacgaaa	aaaaatgagt	tcttggaaaa	taagaatata	gtagttgaaa	tgaaaaaatt	780
	agtttttaaa	agatgataaa	atagargcma	actccacgaa	agtwkagcag	aaagacmaag	840

aatwgaataa	ttgaaagaaa	agaaagggtt	catgttcagg	aggcccnata	tcacaaataa	900
aggaatttca	gaaagagaga	acagaaaaaa	gtagaggata	gcaaatcctc	gaacagttat	960
ttctagaaac	aaattgatga	gttttcagtt	gacaggcctc	tcaagagctc	aatacagttg	1020
ataaaaaaat	tcccatacca	gcagggtatca	ttactaaaaa	gcagtgctgc	aaacagttgga	1080
agatttctga	agctttcctga	gaaaaaaaat	taaagcttcc	tgaggaaaaa	aaaaaaaaaa	1140
aaactcga						1148

<210> 36
 <211> 726
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (141)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (660)
 <223> n equals a,t,g, or c

<400> 36						
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attgtgagc	gataacaatt	tcacacagga	aacagctatg	accatgatta	gcacaaagctc	120
gaaattaaac	ctcactaaag	ngaacaaaag	ctggagctcc	accgcggtgg	cgcccgctct	180
agaactagtg	gatcccccg	gtcgaggaa	ttcggcacga	ggtgagcttc	tgcaactgaca	240
tggaaccocga	gccgcagacc	ttccaccocg	tgctgtccct	gctcagcttc	ctcttcaagg	300
cgcaactagt	gccgcgccgc	agccccggtg	tcaatgcgct	tttcgcgcag	cgacagctga	360
tcgagaacat	cctcagggcc	tgctgtgggc	tcgccccaca	gaaccacatg	ctctctggaac	420
acaaaaatgga	gccccaggg	ccagcctca	agcgagttgg	accgctgggt	gccacctacc	480
ctatgttgaa	caagaaagga	ccggtaccgc	ctgccaccaa	tggtgtgacc	gggtgatgcca	540
atgggcatct	gcaagaggag	cccccaatgc	ccaccacctg	aggccccggt	cacacagttt	600
ctcggtctct	cctccccgct	gcccccaacg	accctaccct	gaaggccccc	acaaaataaan	660
gcgctgccac	tcagccctca	aaaaaaaaaa	aaaaaaaaaa	gcggcgccgt	cgcatctag	720
aactag						726

<210> 37
 <211> 1002
 <212> DNA
 <213> Homo sapiens

<400> 37						
cgaataat	ttcaatgtct	tcaggtaact	tgctttcttt	tcctattgtg	gcctgtgcat	60
ctatccttta	actggccacg	acctgtgtcc	aagagtggaa	tcatttagac	tttagtgcat	120
cagcaaatat	cccttcactc	atataccatc	ctatgatgaa	aaaaataaat	ctgtgtattt	180
taaaagttaa	aacttcagtt	cttccacaaa	ttccagaac	ataagaaata	tggtgtttac	240
tggttacaac	agccatttct	catgagtact	gatgttctct	tgattagtta	ggggagacct	300
ctctcagaag	aagctctcaa	gtctagaagc	tcaataagtg	ggatgtgaga	agttttaatc	360
tttgaaagaa	gccactgtta	cgttggaact	gggtgaattg	ctcctgagag	ctaaatgtat	420
atgtgttttc	ccaactcagt	gtccagaaat	gtcagactga	tagcttgaaa	ttttcctcgt	480
tggggagatt	ttacactaga	aaattgaaaa	ccctgaaaaa	tcggaacttt	tttctcctgt	540
gagagcaat	tgtttaaat	ttaccagcat	accactgacg	gtagctagcc	ttccttcacc	600
tgggacttga	tgaagtgtat	ggatttacta	aactattctg	catatgatat	gcataacaat	660

ctcttaattt	gggtttgaat	ataattat	actctgtatt	aattttttt	ccccctccc	720
acatatatgg	gttaaaaaatt	cacttaattt	gacatgtaaa	tgatgcaaaa	gtagcaaaa	780
attcatgtat	tttcgctgag	aagcctggaa	cattaataac	actgcaatct	taattacgca	840
gctaccaaac	caatgctcat	tgaataccac	cctcctatat	tgacacctatg	gaaaaaaccc	900
tgctgaaatg	aaactttttt	ctatgattga	caaatccaat	agttcacagc	tgaaaaaaa	960
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa		1002

<210> 38
 <211> 1376
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (938)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1350)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1358)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1360)
 <223> n equals a,t,g, or c

<400> 38	ggcagagggg	ggaattgagg	atgatcctga	agtttttggc	ctttcacaga	atggaaaaga	60
	atgggggagca	gcagggggcgt	tttgttttgc	tttgttttga	ttttkttggg	ggtagggcatt	120
	gcagggcagag	aaatcaagtt	ctgaattaga	catgtttatg	cactgtgttc	agatatcacag	180
	agacatatata	cgatgcctag	ctgcctagtt	atctaccaag	atgtctattg	gaaatctatg	240
	tggtgtaaaga	gctgggasttc	aagggagagg	ctaggggttg	agataaagaac	atgagaccac	300
	tttccatggt	caaatatcca	ccccctgag	cttctgtgcc	ctgaagggtg	tgccagattc	360
	cttgtgtgtg	cctggcacat	agtaggcaat	caagaaaagt	ccactgggtt	tatggttatt	420
	gttataccgc	-accgccttc	tctgcccga	gcctccctct	cctcttctcc	ctctctcttt	480
	ctctctcsc	cttytytccy	tcttctcaak	catctctggg	tcctgtgtgc	cagatgaagg	540
	tactttgcaa	ggagggagcc	ccagggtcga	tggtcgcggg	atgggggtcag	tggggtcatt	600
	gtctytcctg	gctgggacct	taccagtcct	gtcagcttga	gccacctgtc	acttcgttgt	660
	gggtcctgggc	ccagaaaagca	gggcagacct	ccagcctatt	aggtcatctt	tgatttggga	720
	ttcgtctctac	tatatgtggc	tgaccttaca	ccccagctgt	gtcatcctgc	ttgtcccaag	780
	gcctgggggtg	ccatccatct	ctctgaaacc	ccatcagccc	agatcccag	ggctgagatg	840
	gtacctctgt	aggatagcag	agtcctctaca	atcttactct	cagtcaccagc	agcagggaca	900
	tctttgccta	gcctgggtgg	ggatkgaaat	ggagctagga	tttgatttgg	tttgggctg	960
	cagacgggca	tcacaggggaa	rgggcagagc	aggaactctgc	agaaactctgc	tcccagctgg	1020
	ggggcggttgc	gcctcagctgt	aatcccagca	ctttggggagg	ccaaggtggg	tgatcaacct	1080
	gaggtcagga	gttcgaagcc	agcctgacca	acatggcgaa	accctgtctc	tactaaaaat	1140
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	gcaggaagat	ctcttgaaac	tgaggaggtg	aggtctcag	gagccagat	cagcccatgt	1260
	cactccagcc	tgggggagac	agtgagactc	tgtctcaaaa	aaaaaaaaaa	aaaaaaaaaa	1320
	aaaaactcga	ggggggggccc	gtacccaatn	cgctccctnan	gagtggtgtgc	gtatta	1376

<210> 39
 <211> 1787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (1)
 <223> n equals a,t,g, or c

<400> 39
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 ctgcccccatc ccacctttaca acactctggc cccctctgctt ggtcccccctt tcccccaaggc 120
 aggaggccaat cccagggggcc tgcctgatagc aggcattttcc tgtccctgtc tctccctcgca 180
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 caagcccagc caaagcactg agtgcctccc taagacacct ccacacctcc cccacaaggca 300
 aagcacaaaat tttggggctc atgtagcatg gccacagtag gaggctcctg acttggccagg 360
 ggcccagcct cagcatcaccc accgagcagc tgcacagcctg ggcctgagggt gggcatgagg 420
 caggagtcag cacttggccc cagacacaca gccagctggc aaaaggagggt tctagcccag 480
 gtggggcacta ctgctggccc cagacacaca gccagctggc aaaaggagggt tctagcccag 540
 caggagatga aggcattttt gctttctctt catgcccaac gcatgagctg agcttcttctg 600
 ttgctgggaaa tgaataaata ttggtatgaa ttgtgccaaag gcctccccag ttgtctatcct 660
 gccctctgtt gccctccctg tcttggcccc ccaccccaca cccatgcccc tgtttcccta 720
 cagattttga taattgttta atgtgtaata gaaccagccg agtccccctt tatcagaagg 780
 gtctgaaaag cagcagcaca gagttagtga acacaggcct gcaagtgcga ccacctcaga 840
 cccagtcact gtgcccacag tggacacayt cacacctcca acacacccac gcgcaggcat 900
 gtgtacagc gtgtacacac ggcattgcatt cacagccaga tggccactca gcacagatgt 960
 ccgcagaggga atgtgtcatg cctgctgaaa gccattaaag agaaaacgaat tccccagtcg 1020
 cgggctgaca agagagcctt ataggggccc tgtttccctg gcatgcgctt cctctgcagatg 1080
 ccaaccccca cttgcccagg tcaactggtgc aataaactttt ctgccttctc cagagcagag 1140
 aaattgggaa ttgtgttagg tgggtgtggg cagctctgtc cagctcagatg gcacagagatg 1200
 tcccccttc ttggggagggt gtatgtctcc caggcctcag gagtccagag agagaccccc 1260
 aaagcctgac tgcacaacaga aaccctctcc tagtgagggt caggctgggtg tggccaggt 1320
 ccccacacc acagggaggc ttacacact gccagctacc ggggataccca gggaggcaggc 1380
 cccctctgct ctgccactgc tcccaamact gccagcttg tggggccagc gaggagcccc 1440
 gtgcccactc ggtgctgtgt ccttctctgac cctctgtgtg aggaatggga tcttctgtctg 1500
 aaaaaatttg ttttctttt ttgtataaat gaaaagaatc caggagaaacg tggagccccc 1560
 cccctccagc gtgatgcgt accttgcctc ggcgtcttgt cgccttttcc gccctttggte 1620
 caggggacagc ccagcagatc ctctctggct tgaacctggg gtgttttgc taccaccttt 1680
 ttacttggat taaaaaaaa tgatgggtgt aaaatgact gaggattaaa aatgtacttt 1740
 ttataataa aagtgtttaa aaaaaaaa aactcga 1787

<210> 40
 <211> 1681
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (50)
 <223> n equals a,t,g, or c

<400> 40
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 atgatgaact ttaagctgga tcccttaact tagaggaaga ctatgtatta taaaattagc 120
 taataaagag ccacaattat taagaatgaa atcaaaactg tttaaggata cattatcgtg 180
 tttaaaattt atctgggtct ttcttttgac tgtggccatg gcaactactaa cctaaagaaac 240
 cttaaggctc ccttccagggt agcatgtcctt tcttctgtcc ctgccatacc tggaaactgc 300
 tctctctctc atcaactctca agtctctccc acccttcaag acccagctta aatccctact 360
 tcttgactga agctttttctt cactcttcca cctgagtgc ttttctctc cttcaggcac 420
 tcttaacaca tcaattatga gtatctcttt acatacctga cctccctctc tccccctcaa 480
 ctcaaaagctc ccacagagca ggaacctggt ctttctatgc cctgctcaaa ttaggctctt 540
 ggtacttgaa caagcaaaaca aaaactattt ctataaatag aagaaataac ggacaaatac 600
 agattcatct ttcttttttt agacagtctc gctctgttgc ccaggctgaa gggcagtgcc 660
 acaattctcca cactgcaacc tccacctccc ggggtccagc tattctctca cctcagcctc 720
 ccaagtagca gggattacag gtgtgcacta ccataccaag ctaatttttt gtatttttag 780
 tagagacggg gtttcacat gttggccagg ctggtcttta actcctgacc tcaagtgtac 840

tgctctgctc	ggcctcccat	ggtgctgaga	ttacaggcgt	gagccactgc	atccgaccaa	900
gattcatctc	tttttttttt	ttagacagag	tctagctttg	tccccccagg	ccggaggcca	960
ctggtagaat	cttggtctcac	tgaacctctc	gtctcccagg	ttcaagtgat	tctcccgcct	1020
cagccctcca	agtagctggg	amtacagggc	atgcgccacc	atgcctggct	attttttgta	1080
ttttttagta	agatgggggt	tccccacgtt	gccagagctg	gtcttgcaat	tctggcctca	1140
cagcatccac	gcgtctctgg	ctcccaaagt	actgggatta	taggcgtgag	ccaccgagcc	1200
cgccagagat	cattttttac	tacaaaaatc	ctaacaaga	acaaaaatg	ataggaggga	1260
tattactgca	atttagagta	caaaaaaaga	agggataatg	cagggaatat	gattaaatat	1320
tagtgtaaaa	tgtgctcaat	aaaaaagttt	tccagctttt	gttgccagaga	gtaagtacag	1380
gggttgagtc	cagtagtttt	aaacgggcag	gaactgttca	ctgtcaaacg	accacaggtt	1440
gacagtgcca	cataacgggt	tcatgtcaca	ccccgtccaa	ggcagaagcc	tatcatgtga	1500
tttataaagc	ttggggacct	ttaagctttg	ataaaaaagc	tgtaccacca	aagaactgtt	1560
aaggaagcaa	tggtctcatc	tcaagagtag	acagattaca	ctttcaaac	actgacgggg	1620
ccgggcgttg	tggtctcagc	ctgtaatccc	agcactttgg	gaggccaagt	cggttgaggc	1680
a						1681

<210> 41
 <211> 714
 <212> DNA
 <213> Homo sapiens

<400> 41	gaattcgcca	cgagtgcact	tgtacccttc	gttaaaatag	agaataatca	ttttgtgttt	60
	ctctgtaggc	attctctggc	tgtaggaatg	cactcctccg	cagaaacctc	gctttgtctg	120
	ccctattttg	ttggagttgc	agtggsggg	caggagagcaa	gcagtaagag	ytccagcyty	180
	tggacactat	ccagagccctg	acctaggcac	ctactgtcac	catcctgcc	tgatgcactt	240
	gggttgagag	aggggttgcgt	gtgtgtgtgt	gtgtgtagag	aatatgtgtg	gtatgtgtac	300
	tgggagaggt	gtcccagacc	tctgccagct	tgggccta	tgggagaaag	agggcaggtg	360
	ggcacctccc	tctgactctg	gagcttcttg	gcctaaccct	aagctactga	tcagtcccat	420
	cacttcaggg	caagggtgat	cagggccatg	gttgctaaca	ctagctgtac	caggctcgctc	480
	accttcagg	ctgcctgcc	tggccctga	gtcatggaga	ggagtgttat	gttgtctttt	540
	ctcttataaa	atgtataata	tggctgggca	cggtgggtca	cgccataaat	cccagcactt	600
	tgggaggcca	aggtgggtgg	atcacaaagt	caggagatca	agaccatcct	ggttaacacg	660
	gcgaaamccc	atctytacta	arratacaaa	aaattagcca	ggcgtggtgg	catg	714

<210> 42
 <211> 838
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (81)
 <223> n equals a,t,g, or c

<400> 42	gaaattacct	tcacttaang	gnacaaaact	ggactccacc	gcgttgccgc	cgctctaaac	60
	tagtgratcc	cccgggctgc	ngaaatctcg	cacgagtcgg	cacgagtcgg	caagagtgag	120
	aagtgatgga	aacaaaacag	atgagttaat	gtgattgaga	atgacaggca	gatgaagggg	180
	gactcaagct	atgatggtcc	ctggaaatgag	agggtagatg	ggtttttgg	ggcctggggc	240
	cttctatct	accttcacgt	cccccgaaag	gcttagctct	cttcccagg	gctgctccca	300
	atgtcctaag	atgcagtcac	gagtggggct	tggggatcgg	ggtttgccgg	ggcactgtgg	360
	tccatgggtc	tgtgtgcaag	tccagtttgg	ggaaactcat	gggacataga	tttttgcct	420
	agagactcac	atggtgagtg	gtagccattg	atggcaaaaa	gttaccggga	cttgaagaag	480

tcagacacag	tgagtgtctca	ggaaaaataaa	acgatgaagc	caagaaaaaag	atgaaactaa	540
actagaatga	ttgtgggtct	ccttttgggt	ttgcaagagc	ggccttccct	ccgtttgact	600
gggtgaggct	tcccactctc	gggttggtag	agggaacttt	tccttggctt	tgggggcaccc	660
gggtccccca	tagattctct	gggtcatgag	cacaagtctt	gggcagattt	tgcaaaatcc	720
tgaaagttaa	gcattctctg	cttagaataa	ggaaagcaag	tgaatgtcac	gtttgtcaca	780
ctaagacagt	taccatgaaa	acaaccacag	gcgaaaaaaa	aaaaaaaaaa	aaactcga	838

<210> 43
 <211> 320
 <212> DNA
 <213> Homo sapiens

<400> 43	aggggccacg	gccaaattgat	gggcatgac	cttgtgctgg	cgagcttctt	ggcgaccaccg	60
	gtcgaggcgc	tgctgcgaagc	tgctgcgcgt	ggccagcagc	aactcgcgct	gctcgggtgts	120
	carrggcctg	ctgtcgaggg	cttctgcaaa	ttgcagrcgt	gcttcgcggr	cttgttcgtg	180
	ttcgargcgt	cgttgcctgc	ccatctcggc	cactctcttc	tcgagccggg	tgccggcgctc	240
	ggtcagttgc	tcgaccttgg	ccttgytcgc	cgagagctgg	gctttcaatt	cgccctgctg	300
	gcgcgcttcg	tcttgcaaca					320

<210> 44
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 44	aattcgccac	gagttctggag	ttcagttcat	cccaacacac	attaattgaa	tgccctcatct	60
	gtgcgaagca	tgctggacag	tgggaaataga	gaaatttaaca	tcgtgggtgt	agctccctcct	120
	ttcagacagc	gactgatatc	tctgagaacc	tggtgggaaga	aggacaacca	gttgatctct	180
	tgaggactga	gctctcagccc	acatgatatg	agaggctggt	gcacccaat	gccattgtct	240
	catggagggg	accctttactg	tggtggagtg	gggcttagca	gtgtatgtgt	gggcagttgt	300
	gtgcagtgct	catgggtgtgt	gtttctctgt	tggtctgttt	cagtcagcgc	ttttgaagct	360
	ttttcatgta	agtaccattta	gtggcagaga	gtgaattcac	acctcacaag	gggcattggg	420
	tttttagatca	ctgcacacag	aaactttctt	cgaagcccca	tggtttgtct	taaaagtatg	480
	tttagctcgc	catgggtgctc	acgcctgtaa	tcccagcact	ttggggaggcc	aaggcaggtg	540
	gatcacaggg	tcaggagatt	gagaccatcc	tggttaaacac	gggtgaaaccc	cgctcttact	600
	aaaaatacaa	aaaattagct	gggtgtgtgt	gcggggcgct	gtagtccccc	ctagtccgga	660
	ggctgaggca	ggagaatggc	gtgaaccccg	gaggcggaagc	ttgcagtgag	ccgacattgc	720
	gccattgcac	tctaacctgt	gcaacacagc	aagatccgtc	tcaaaaaaaaa	aaaaaaaaaaaa	780
	ctcga						785

<210> 45
 <211> 1139
 <212> DNA
 <213> Homo sapiens

<400> 45	ggcacagaga	aaagtgggtg	cctttatgat	agaaattcaa	gaatcacagg	gaagacatgc	60
	gactaccta	aatgcattcc	ttctctcttg	ttaaattttg	gaatcttttg	acaggggcaac	120
	ttcttttaac	cacaaaatgt	ttttaacttt	taaaatgaaa	aatttctgac	aacacattat	180
	tcttaaatgt	ataagaaaat	gtaaatatat	aaaatcacag	aaagggatgc	caggagagcc	240
	aagtgccact	ggttttgtaa	atagtaaaag	aggaagggtta	gacaggggaa	taaaaaagaa	300
	gcacaaaagt	tcaagtcaat	ctacaccttt	aaaaataagaa	aaaaataaaa	taagccttaga	360
	taaaacttgag	agttctgtta	taatatgccag	gatacagaat	taaccgaagt	ttccatcagt	420
	ggacaaattg	atataaaat	ggacgaatag	ataaagaaaa	tgatatgtca	caattgtact	480
	ttattttctt	ttactctgct	ttgagttcgg	ggcaaatgtg	tgattctctat	taattattac	540
	taaaacattt	ccctttttta	taatttatct	tttaaaagcc	cccttaagct	gtttttccct	600
	tagtcagatc	ttcactgggg	cttaataaacc	agttaaaaac	actgatttga	aactgtttct	660
	ttctataggc	agcaccoccca	cccagtttaca	ttgacattaa	gtaaaatgcat	agattaaaaa	720
	ctgtttaaat	taggccttgc	tctgatggct	aagggtgtac	aaaggccaga	aaggagaaaa	780
	ataaactagc	agctcttcgaa	tgctgagaga	atacttttaa	actttttggg	ccaggtgtgg	840
	tgctctctac	ctgtaatccc	cagcactttg	gggaggccga	agcaggtcga	tcacctgaag	900
	gtcaggaggt	tgagactagc	ctggccaaca	tgggcaaaact	catctctact	aaaaatacaa	960

aaattagcca	ggcgtggttg	cgagtgcctt	taatcccagc	tgcttgggaa	gctaaggcag	1020
gagaatcgct	tgaaccagct	aagtggatgt	tgcatggaac	tgagatcgca	ccactacact	1080
tcagccaggc	ccacaagagc	tccatctcaa	gttaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1139

<210> 46
 <211> 701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (405)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (429)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (546)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (547)
 <223> n equals a,t,g, or c

<400> 46						
ggcacgagtg	ctcactccct	gagcagggtgc	cgtgggtctt	cctgtgaag	ctgggggtac	60
gcatgcctcc	tgactccccg	cagagatgga	ggtgggtgctg	gtgctgctg	cctccgctg	120
tcacctactc	ttggggagtc	acaccactgt	tgagggccat	gctgcctgga	gatggccggg	180
ttggccctgc	tgtcctggtt	aggctgagca	gaggagtctc	tgggcagccct	ttccctgctg	240
ggggcagccc	ccgtgtgcca	tcctgcgcgt	gcatagtgct	gacaaagtaga	aatggttctt	300
cttggtagaa	-agatgaaatt	tttttccctt	atctccaaaga	aaatccccctw	wtacaaagga	360
aactcaamtt	gtttcggggw	ttaaaatttt	cagagtttgg	gcnngcgcg	gttgctgacg	420
gctgtaatnc	ccagcaattt	gggaggccga	ggcgggtgga	tcamaaggctc	agggatcgag	480
accatcccg	ytacacmgt	gaaaccccg	ytttaytaaa	aatgcaaaaa	aaaattagcc	540
gggagnnngt	gcggccggtg	cctgtagtcc	cagctactca	ggaggctcag	gcagaagaat	600
gcgttgaaac	caagaggcgc	agcttcgagt	gagccgagat	cgcgccactg	cactccagcg	660
tgggcgacag	agcgagactc	cgtctcaaaa	aaaaaaaaaa	g		701

<210> 47
 <211> 528
 <212> DNA
 <213> Homo sapiens

<400> 47						
ggcacgagtg	ctctttctatg	catgcctaga	gtcctgcatg	aaagagcccc	cctgggtgatg	60
ccctgtgatg	ctgccaagtc	catggtagtt	ttcaattttg	ccatactttt	gtctcttcta	120
ccggagccctg	gaatgtcttt	ggatattgct	aaaatctatt	ttcgcagctg	aggtttttatc	180
caactggacac	atttgtgtgt	gagaactagg	tcttgttgag	gttagcgttaa	cctgggtatat	240
gcaactacaca	tcctctgggc	caactgtgga	agctgctgca	cttgtgaaga	atcctgagct	300
tgattctctc	ttcagtcctac	gcatttctct	cttccccctc	ctcaccctct	ttttcttata	360
aaactagggtt	ctttatacag	ataaggtcag	tagagtctca	gaataaaaaga	tatgaactttt	420
ctgagttatt	tatgtactta	aaatatgttg	tcacagtatt	tgttcccaaa	tattattaaa	480
gtaaccacaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		528

<210> 48
 <211> 812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (81)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (90)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (105)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (751)
 <223> n equals a,t,g, or c

<400> 48									
taaacactttt	aatgctttcc	gggnttcgtt	atgtttgttg	tggaaatttg	ttgagccgga				60
ttaacaaatt	tcaccacagg	naaccagctn	ttgacccatt	gattnacgcc	aagytcgaaa				120
tttaaccctt	cactaaaggg	aacaaaagct	ggagttcaac	cgcggttgcc	gcccgtctta				180
gaactagtgg	atccccggg	ctgcaggaa	tcggcacgag	ctttgatggg	tcattgggcca				240
tgccataccc	cctgtggcaa	tggagtgtgt	ggatgctcac	ctgtgccatc	tgctcctcctg				300
tctgtgccag	gaggcacctg	agtctctctg	tgttatcctg	cccccaaggg	ctgggcccag				360
cctctacctg	aagcaactct	gctctctcctg	tcagtctcaa	agcacaagga	ggttcagccc				420
aggaggaagc	cagctgcaat	gtggagacac	gtcctcctcc	ccaaccacc	tcattgccacc				480
gccaaacccc	tgccccagga	gccccctga	gccacgtccc	ctaggagcag	ctggagatgg				540
ccaaaagagt	gagctcagga	ctactggatc	ccatgccag	gtgtccagca	gacctcaagg				600
cagaagggtc	acctaaccga	ggagtccaca	gactgatgtg	acctcaggtt	cccatcatcag				660
tgggccacag	gcagggccca	cctggtagaa	gtgttctgga	tatggccagg	gtgggtgtgt				720
ggctaagtgg	gcctgaacag	aggggaacct	nggcccttgg	ccaatgtgat	taaagctgcc				780
attcttgaata	aaaaaaaaaa	aaaaaacctg	ag						812

<210> 49
 <211> 668
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (659)
 <223> n equals a,t,g, or c

<400> 49									
gacgacagaa	ggggctcttc	tctccccagg	catcaagtga	atagagaaga	ttctatggat				60
gtagaagagg	tccttggtt	tcogaattgc	cactggattg	cctctatcaa	atacacaaga				120
gtttctatgag	tgagaaataa	cctctgtgtg	ctttaaatct	tggtgtgtgc	aatacatcag				180
tgagcctacc	atgactaata	catctatgag	atgcagattt	ctctctctctg	gccattgaca				240
tgagtgtgtt	ttctggatgc	aggttgggtg	atatgtctat	cattttctgc	ctctctatgt				300
ttgactctgc	ttcttaaccag	ttatttttgg	taaacacttt	atacaacaac	ctctcttctt				360
ctagagattc	tagtttctct	gaaatgaact	ttagtattga	gtaattattaa	aaatgtctct				420

gtgtctctgca	catggggcaca	gggaaggggaa	caacacacac	tgggggctctt	caggggggtgt	480
agtgggggtgg	gaagaggggag	aacattagaa	aaagttagcta	atgcatgtcgt	ggcttaaacac	540
ctaattgggtt	gataggtgca	gcaaacacc	acggcacaca	tttacctagg	taacaaacct	600
tcacatctctg	cacatgtacc	ccagaactta	aaaaaaaaa	aaaaaaaaa	aaaaaaaaanc	660
gcggcgcg						668

<210> 50
 <211> 3337
 <212> DNA
 <213> Homo sapiens

<400> 50	gggtgatttc	ccttcaactt	ttccacaggta	tctttaaagc	tttgctcact	catcccttct	60
	ctgacttagg	atttgagcat	ctttctgttta	tgtctgttgc	ccacttctat	tgcaataactc	120
	ctctctctaa	gaagattttt	ctagactaat	gtctagatta	aacttctttt	ctttgacaat	180
	aatgatgcca	tgaacttggac	aaaatgccca	ttgcctctgg	gtcctgtctt	cttccaccag	240
	tgtcgtctta	tgtgactctt	tgtgctctct	cttggctggg	gaaatcagaa	tacacagtgg	300
	tatccacttt	ctaaagtcc	tgaatctgaag	gacagtaaaa	caactgacct	ttctgcagcat	360
	gtaaaacaca	tgttttaact	agtcctccag	gaacaacamt	gagcaatcct	gacctgggac	420
	tactttactc	ggccatctct	tacttgagat	gtcctctgtc	tctctgttca	agccacacct	480
	ttctgagcct	ttcttgacaa	agagtggagg	accgataggc	gattaaactg	ttcttgacac	540
	aacttttagag	cttcwactga	gaatctagaa	gagagttagat	ggaaaaatat	tttccctccc	600
	cctccaaatg	caagataaat	cttacacgag	tccaggagga	aggctcaatc	cacactaagt	660
	gtcttgaaat	aaaaagatga	acaaaataca	gtgccattct	tcaaggrcct	cacagtctac	720
	aggaagaggw	tatatgtaaa	caaataaact	cagaattgga	aattggagct	gatgtgctta	780
	gaagtgtttt	gaacaagggg	catgactgtg	actctctctg	cttttgcaag	ttctaggaaa	840
	acctttactc	acagttgaaa	atacagagcc	tcagggtgaa	gccttaactt	cccacagcag	900
	atgggggtcta	tgaggaggaa	gaagttagacg	catggaccag	tcctgttatg	aagacaagtt	960
	tcattgtgtct	actgtgtctc	catgagctcc	tatggcccag	aagctggcat	ctctgtgagt	1020
	gacggagatct	tgtctgggtc	cccaggctgg	agtgcagtta	aatgaaaaaa	cgtaaccaga	1080
	cagaggtttct	aaaacagcac	caaaaatttta	atttaaatga	tgaggawtag	ttttctttat	1140
	caacactaca	attttttttt	cttttttttt	tttttttttt	tcttgagacg	tagtctcaact	1200
	ctgtcgtctc	ggctggagtg	cagttggcaca	atctcggctc	actgcaagct	cgccctcccg	1260
	gggtccacac	aatctcctcg	ctcagcctcc	caagtagctg	ggactacagg	tgccccacct	1320
	acgcccacgc	taagtgtctg	tatttttagt	agagatgggg	tttccactgt	tattctagga	1380
	tggctcgtact	tcttgacctc	gtgatctgcc	cgtctggcct	cccaaagtgc	tgaatttaca	1440
	gggtgtgagc	acattgccc	gcccatttat	gktgktttta	tccatctaac	cagccaccat	1500
	atatgtgtgt	cttcccatgt	accacaacac	attctgagaa	cttgccacac	atgtctcaact	1560
	ttcgtcttca	catcaacaat	gtgaatttta	agctgtgctg	aattttgtcc	aaaatgactc	1620
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	aagtgcacaa	ttatatgttc	cttgccactg	gcacacagct	taaaataaag	tcaaacactg	1740
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	ttcaaacctt	ctcaggagaa	gcacagagtg	tcctttggag	tgaccaagac	ctcactccaa	1860
	gtgaaagct	cagtaatttt	gcttgagaga	tagcatgtgaa	agggccagct	ctctagagct	1920
	tggctgactt	gaattttgag	ttcatcttca	tcctatrtca	cccatgtgoc	ctctgacatc	1980
	ttacttaaac	ttcttgaact	ttcatcttgc	catltgtgaga	aactgttagt	actgttgtga	2040
	aagatttaac	aaatcatgaa	acacactctag	tcgaaaaactg	atactatagt	agacacttaa	2100
	caagtgtagt	ttgatattat	tcaagctctc	aggttatagt	aagacaactgg	caaaatatta	2160
	ttctccagct	ttctccagtt	tgttgctttg	agaggggttaa	gccaaaaggag	gacttttgtt	2220
	tcatactca	tattgcactg	cttgctataa	aaatatacaa	tttatcaag	cgcctacaca	2280
	cacacacaca	cacaggcaca	acactctcaga	catgagccac	atbtccacat	gaaggagtgc	2340
	tcagaagtct	tagggcaccat	ataaaacttc	cacataaagt	acagcagtag	actctttaat	2400
	taaaactctt	aaagtactct	tgttgttgac	aaatatcccca	cccaaaggcca	tatttaacct	2460
	gttaattatt	caagtgtcag	tgataaagaa	acactgccca	ggcttcccat	aaaatttcca	2520
	aaaacttaac	cagggaaagt	ggcaataaat	gtcatttgaa	atggaaactga	tgccagttaa	2580
	ttacaagaca	actgtataat	gaattgggcat	gaggtttctc	acaaatgcct	aattagtaac	2640
	tatatggggca	tttctctgga	aaaaatggca	attacacggt	gcaaacactt	agcagtcact	2700
	attcaaaagcc	cttaaaccaat	attagctaat	taactctccc	tacaacactc	cagcagaggg	2760
	cagcacaagt	cctcatctag	ggaggaggaa	kggaaagccaa	aagatgaaat	ggaaaaactct	2820
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	gattcccaagr	ccaagagaga	gagttttctc	taatgataag	gttaattgtgg	tgaacacctta	2940
	gcttctctct	gatttctctc	catgtctcag	atcttctgct	tcocygagaa	ctccccacat	3000
	caaaattctgt	ttgacggcac	acatgcactc	ttgcgcttat	caaccttttt	ctctttttct	3060
	cagcaagaag	gctttttgac	caataatat	aaaacaaatg	gggggagaag	gaagctatgc	3120
	ctctttccac	aaagccaagc	ttgttatatt	ataacatgat	ccacagcttt	tgatttcaac	3180

ttaatgtatg	agatctggaa	tattttcaga	agtatgattg	attttgatca	ggtgaagata	3240
tttttaaaaga	agtgaattat	ctcttatgtt	acttaattta	atccacatta	aagatttatg	3300
acaaaaaaa	aaaaaa	aaaaaaagg	cgggccg			3337

<210> 51
 <211> 847
 <212> DNA
 <213> Homo sapiens

<400> 51						
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tgtaggctgc	ttgggtgtgt	agtgattaca	gccttgggaa	tgctccgtgg	ggcctctgga	120
atgtgtagag	ggcatctgca	cttaattgtg	ttttccctg	tgctgctctc	gtcccatcca	180
ctttacaaaa	aatgggtctt	aacctggagt	ctatgaaccc	ctgcaatgac	atgcaaaatg	240
tcatagtttt	atacttttct	tgggtgaaga	tccttaggtt	tggacaaatt	ctcaaaagg	300
tcctggccc	tgcccttagt	ctctwmttc	cccaaaaaga	acmcatataa	tttattgtct	360
taaacagaaa	aattggagc	atctagaaaa	gtccctccctg	gaggtagcag	agtcaaaaga	420
ggtgatgact	tagtgttctg	ttctccggaa	gctcaggttt	ctgggggttcc	tatttaacagg	480
gtgttaatag	cgagtgttcc	ctaagggggt	ggcaggaagt	ggtgtgtgtg	tgccctcaag	540
ggaggggacc	tgtgagtgaag	cagcatttcc	ttgccacttg	gatcgattt	agatgtttcc	600
tgtgtgtgtt	acttctctgc	tgccactctg	gattagaagc	agttaccacg	cctgggtgac	660
agagtaagac	ttgtcttcca	aaaaataaaa	taataaaaag	aaaataaaag	aaaaaatgta	720
aaggcagga	ttgtacagg	acctcacggg	atgtggaggt	tacagtgagc	tgagatgcgc	780
cactgccttc	cagcctgggt	gacagagcga	gaatctgtct	ttaaaaaaa	aaaaaaaaa	840
ctccaag						847

<210> 52
 <211> 832
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (827)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (828)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (829)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (831)
 <223> n equals a,t,g, or c

<400> 52						
gaattcggca	cgagtatgaa	actaacaaca	tagaatgcc	cccaaacaaa	ttctcttaac	60
ctcactgagt	ttacttgccc	tattactatt	ttttttttt	aagatcttct	gtctcttgtt	120
tttgttttat	cccttaacctg	atgaaagtga	acatttctag	tggagaagaa	agatcacagt	180
ttcttaatat	gggcattaaag	agagggttac	agctagaggg	gaggtgaaaa	cctgcctcca	240
ctgggggtgaa	aaacagtggt	ctgaggtttc	agccagtgat	tacactggtt	aatcaaccag	300
ttccatgttt	cacaaaggag	ttgtaatgat	taacagtcca	ggtatgctty	tgaggaaatc	360
taattgagac	ctttggaaaa	tagcattgtt	atgaaatggt	tggtgttacg	ccttgagggg	420
gaaaaggctca	ggaaaaaacat	tttaactttt	caagtgtatt	taaattaaca	tccaaattgt	480
tcagtgtgct	ttactggaga	ctgcctgagt	ttggaattca	aatattgtta	ccaaattact	540
ccaggtttct	gaactaaaaa	gatctattga	tgtttctcaa	agtatagatc	acagagtaag	600
aaaaggaggaa	atcaagctctg	gtttatgaca	aacttttttc	catgttaaca	ttggaaccaa	660
agatgtttam	aagagctttt	tactactgtg	agagracagg	cgtgatgtga	agacaacgaa	720

780
832

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<220>
<221> SITE
<222> (762)
<223> n equals a,t,g, or c
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608

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600

aagggggggc cg

612

<210> 56
 <211> 957
 <212> DNA
 <213> Homo sapiens

<400> 56	ggtcgaccca	cgcggtccgcc	cacgcggtccg	gctggagata	aaattttatgt	tgtttaaaaga	60
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	agggtacatgc	agcattttagt	gatcattttct	gctctttttct	gtagttcttct	aggtaactcta	180
	atcacaaaaat	gtcaatggcg	atcttttaggg	gtaaaaaat	gtgctcctaaa	gaatatgggta	240
	gtcactgata	attttgtaatt	atttactaga	ttttttgtta	ctaaataaatt	caatgggtatg	300
	actatagat	cagtaaatcag	cctgtggaag	aatgaaataat	gcaatcaatt	tacattcttt	360
	tgttgccatt	gatagaccag	taacagctta	cctttcctat	attctgtagg	catctaagaa	420
	gaaaaatata	caaaaacttta	agatatcaaa	atataattttt	cagaggtaaa	acaatgaccc	480
	tcgtaaaatc	atagtaagtg	cggtgcataa	atttatttgc	ctgatgaatg	aggggaatcaa	540
	cataaagggtg	atgctgattc	ccagaaaatt	ccacagataa	attatatata	ggcactgata	600
	gaatcgctaga	ataagattgt	aagatcagta	aattgggctg	gggtgcagtgg	cctgtacccc	660
	tagcagcttg	agaggctgag	acaagaggat	cacttgaaac	caggagttga	agaccagcct	720
	gggcaactcg	tcaaaaactcc	atctctacaa	aaaatacaaa	aaatagctgg	gcactgatggt	780
	gcaatgcctgt	agtcgccagct	acttggggagg	ctgagggtgga	aggatcggtt	gagcccgaaa	840
	tgttgagact	gcagtgggct	gtgatcatgc	cactgcactg	tagcctcagc	ctgggtgaca	900
	gagtgagctc	ttgtctccag	aaaagaaaaa	agaaaaaaaa	aaaaaaaag	ggcggcc	957

<210> 57
 <211> 622
 <212> DNA
 <213> Homo sapiens

<400> 57	aggcgatctc	ggctcactgc	aacctctgtc	tccctgggttt	argsgrrttct	yttkycctcag	60
	cctcccaagt	agggtgggact	acagggtgtg	gccaccacgc	cctgctaatt	ctttttgtat	120
	tttttagtaga	gacgggggatt	caccatatgt	gtcagttctgg	ttctaaactc	ctgacctctg	180
	gtgatccacc	tacctcagcg	tcccaaaagt	ctgggattac	aggcatgagc	cacagtgccc	240
	tgccagtttt	gtttattttt	ttactgcttt	ttccctctccc	ctgggaacca	ctaratttgtg	300
	agtcattgcac	arcgtgtgtg	ttctctctcat	gccccgtata	tagtcacagc	agctgtttctt	360
	tgattctattt	gttcatttcaa	catatatact	ttgagaggct	ggcacaatgc	caggcactaa	420
	gtttgatagt	ggagacacac	aaattaaaaa	gagattcata	tcctgacctc	aagtgtgatga	480
	caatttagaaa	gggctatgcg	taggaaaaaca	gaaaaactata	agcaatagac	ctagtgctac	540
	ggtcagata	tatccaagac	acttggagca	cagagggagt	cctgctccaa	gggagttcta	600
	tgtcttttat	tagccataga	ta				622

<210> 58
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (367)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (369)
 <223> n equals a,t,g, or c

<220>
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 <222> (372)
 <223> n equals a,t,g, or c

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 agccaagacaa agagaagctc cagtgaggaga tgaggaggga gcahtccaka tgccaaccaag 180
 gaaatcgctt tatggctaca agagtgcctc tgccttctcc tccctcctcc ccaccaagga 240
 ttcttccacc gtaactctgt ttcatatgc ctctctttac ttcacccatg tttgtgtgta 300
 tgcataataa gtttttcttc ttccaaaaaa aaaaaaaaaa aaaaaaaaaa 360
 aaaaaanana an 372

<210> 59
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 59
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 gtgcctctga ggcagaacca aaggagcctg cactggggga aatccctttt cctgccttgc 120
 tgcctcgtcg tgacctgtgt acgtattaca ggcctttaga ccagctgatt gttatgcttg 180
 caggatgggt ttgaaacaga aacaatactt gtttactgta ggaatccctat tctatttatt 240
 tttcagtcct gtgaatgctg tgaagaagatt tattcctttg agggcaggaa gctccaggc 300
 atatatgctt ctagggttag attgtcctga ctactaaag atgcccaggat attggggctg 360
 aggggaggtt gaggtgttaa aaaaaaaaaa aaaaaaaaaa actcagag 407

<210> 60
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 60
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 gatgatgact atgtttgata ttttaatagt accagccatc gctcagagaa aagttagata 180
 agtatgtgtg aagagataga agaagacctt tcttgggaaa tagatgacat caataccagt 240
 gataagcttg atgacctcac aagaatctg actgtatccc agctcagatg tgttgcggat 300
 tatctggaag atgttgcata gacacgaaga aggaagattt ctaattaaca aggcagaggg 360
 actgacccgt tccatttttt ttttttccag acaatcactc agctggaatg agctctctct 420
 attgggtgct tgcatttcaa aaacactgca gatatttttt aaaagtaatt ttcattttac 480
 taaacaaat acttctctatt taataaaaaa aaaaaaaaaa aaaaaaaaaa 540
 aaagggcgcc c 551

<210> 61
 <211> 995
 <212> DNA
 <213> Homo sapiens

<400> 61
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 agcataatatt ttttaaccaa taggatttag ggtgttttgg tbtgtggcaa tggatatctg 120
 aaccagaagt caatatgtta caccctctcc cacaataata atgacactcc atatcctcct 180
 taacttgcct ttttttctct ttgtgtcatt taccacctgg ctactgtgt acctactcat 240
 ttgtttattg ctccctatcc ccgtctggaac acaaaccttg ggaaggccga gactttgtct 300
 tattcattct tgatctgag cgctctggaat agtgtctaa ataggccctc aatacatatt 360
 tgtttaaata aggcataat ttaatttaac ttgataagtt tgccttttgg agacatagca 420
 agtccataaa aggaaaagac aaatttaatt aaattgcccc tgcgcagacg ctctccctct 480
 atggacacaa tatctggaga tgcctaaaaa tactggcggg ttcttccgcc ttccccatt 540
 ggaggcatcc ctctccaggg ggaaggaggg taagattctg ctctcttaac acatactgac 600
 ctccaggaga aagggactag aaatgtatgg actgaatgct tgtgtgcctt gcaaatctat 660
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 aggtcatgag ggtgaagcct tcagggaatgg gattagtgcc ctataaaaag agacttcaga 780
 gaattctcta gccctcttta tgcctatgta ggacacagtg agaagatgac catctatgaa 840
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 gctctcagaa ctgcaagaaa taaattgttg ctgtttaaag catccaggat atgatattct 960
 ggtatagtag cgtgaactaa gacaaaaaaa aaaaaa 995

<210> 62
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 62	tttttttttt	tttttttttt	tttaaatgag	gggacctgtt	cctgacaaac	tacttgtttc	60
	ctaaatgaat	cccaaacttg	cttgaattcc	tacctcttga	cctttgaaaa	atgggaacac	120
	gctgctcttg	cattactggc	agctgcaatg	cagcatttac	ctggactatc	tctgcatctt	180
	gttcttgtgt	tcttgagtc	actgggaagc	tgtgcaaccc	cacaccccag	agcagcacca	240
	gcagcaaaaa	aaaaaaaaa	aaaaaaaaa				268

<210> 63
 <211> 870
 <212> DNA
 <213> Homo sapiens

<400> 63	ggcacgagac	caccgcgcgc	tggcctatgt	agctaccttc	tgatctaatt	tggatgatgt	60
	gggtgagagaa	ggttagtttta	gagagaatgt	ttcctgtctt	atcttctttt	accctatctca	120
	acactttttac	ccctctaaaa	ctgttcaaca	tgttttcttc	tttggaaatc	tttcttcatg	180
	cctgctttatt	catttgtatgt	tctatgtctc	tacttcttga	acttaaaaaa	aacaaaaaac	240
	tcctgcaattc	cacttctctt	atttcccatg	ggccctactt	atagggtctc	gccaaattat	300
	gctgggtgtt	ctgttttttt	cttcatattc	ccttgggtgaa	cttgccacac	gtcttggtct	360
	gaactgtact	tttatataac	tgattttcaa	atcttgaact	cttctaaatt	tctacctgct	420
	ggagccgggc	acagtggctc	acgcctgtaa	tctcagcctc	cgaagtgtct	aggatcacag	480
	gcaagataggt	tatttttaaat	tgtcatttaa	cagatggcaa	atagccacag	aaaaagtaaa	540
	ccactttttc	aaactcacaa	agtcaaatgt	tgggcctagt	tctgtcagac	tgtaaagccc	600
	atgcttttaa	tgggtatcta	atactgcttc	ctatcagtag	actatcagat	tatcatctct	660
	aaagatatata	aaagaatggg	tgtcttaggg	tggagtttca	aaacattaat	agaattatac	720
	tattaaaggtt	gcattgtgatc	actttgtctc	tgtgagagac	ctggatgtct	tgtttgtctgg	780
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	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa				870

<210> 64
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 64	ggacagagtt	aygcaagctc	taatacgact	cactataggg	aaagctggta	cgcttcagg	60
	taccggtccg	gaattcccg	gtgacccac	gggtccggga	agttatatgt	aagcagggga	120
	ttttttcaaa	gatgagaatt	ctattacatt	ttgcttgga	gcattgtgaa	acattccaga	180
	ccaaaggaaa	agttgaagtt	ccaagtgggc	attttagtgt	gtcttatcta	tgactgttaa	240
	tttttttaaa	atgctttttc	tgtttcaaat	aaaatgcttt	ttctgtttca	aataagctct	300
	tgggttggtc	tgttttctgc	aactctgttg	gggtgttttt	gtaactagac	aaccccaaac	360
	tgcctcaaat	ggtttctag	actctttctt	tccttaaatg	gtttctggga	tttctttatt	420
	tcccatctca	tttctttctt	ttgcttcctt	tcctattatc	atcacactta	tgtggagtcc	480
	agtgctcagg	tcttaggaga	actaaagtca	tccctgcagt	gtagttttga	tctaaaaaaa	540
	aaaaaaaaag	gcggcc					556

<210> 65
 <211> 1302
 <212> DNA
 <213> Homo sapiens

<400> 65	ggcaagatgg	ctgccctgac	agcggagcat	tttgagcac	tccagagcct	gctcaaggcc	60
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	ttgaaaaaac	tcttgatgt	tacatgttcc	agcttgtctg	tgacccagga	ggaggcagag	180
	gaactgtctc	aggctctgca	cgcgtcact	aggtctgtgt	cattccgtga	cctgtcctct	240

gccgaggcaa	ttctggctct	ctttccagaa	aatttccacc	aaaacctcaa	aaacctgctg	300
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ttctgtccac	gctctgtcga	tctggactgg	agagtggata	tcaaaacctc	ctcagacagc	420
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tgatccagcc	agctgcccagg	gccactggca	agctgacaac	aggcaggatg	gtggggacag	660
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ttcctctatc	taatgcagcc	actcctaggt	gaagaagtgg	gaataattgg	aaataaacaa	1260
cagttctcaaa	acttcaaaaa	aagtcgacgc	ggccgcaagt	tt		1302

<210> 66
 <211> 685
 <212> DNA
 <213> Homo sapiens

<400> 66						
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tgttttaatac	agagtcaacg	taakkcatcac	tgcttttttc	ggttacttta	aaactcagaa	180
gctattttctc	attccccctt	gaggagatga	actcttgaa	tatggctttt	tatttttatt	240
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agtgggcatca	tcataagctca	ctgcagcctc	aaattccttg	gctcaagcga	tcctctctgt	360
ctggcctccc	aaagtacagg	gactgcaggc	atggtggctc	acgcctgtaa	tcccagcact	420
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gatgaacccc	tgctctctact	gaataacaaa	aaattagctg	ggcatggtgt	tggtgtcctg	540
tagtctccgc	tacttgccag	gctgagggcag	gagaatcgtt	tgaaccagg	agggcgagggt	600
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aaaaaaaaaa	aaaaaaaaaa	ctcga				685

<210> 67
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
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 <221> SITE
 <222> (494)
 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <222> (526)
 <223> n equals a,t,g, or c

<400> 67

ggcagcagaaa	aaattctcaa	gacccatgtg	aaagtcagag	agggggtgtg	tggcctggct	60
ggcctgaaga	caggtgttct	gatgattctg	gcagggggccc	ccatttgcct	ggcactgaaa	120
ttatattagt	atctttactg	tatgagcacc	gtgcccacat	gggcaagtgt	tgactcctgt	180
caccaaacac	tcaggaaacca	ttgctttttg	ggcctccagg	atgggttcoat	ttgtaggcat	240
ctgcttctct	ttgggggtcct	ttttttctcc	ttctctacag	gggacaaat	ggcaccaccc	300
agcaaaacct	gatggggagt	gacatggact	accctcattt	gcagtaata	tgggcaagca	360
gggtgttacc	acagttgtact	ggagaatgcc	ctacccctcg	aggggggggt	ccggtaccya	420
attgcacct	tagtgatcgt	attacaatct	actggccgtc	gtttacaaac	gtcgtgactg	480
ggaaaacctg	gngntaccga	acttaatcgc	cttgacagaaa	tncccnt		527

<210> 68
 <211> 813
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (639)
 <223> n equals a,t,g, or c

<220>
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 <222> (766)
 <223> n equals a,t,g, or c

<400> 68						60
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ccctatagca	gttatattgg	catttcaaaag	caggaataaa	aaagtatgac	gagaactatg	240
aaagggaaaag	gtttttattg	atctttttta	gaaatgaaat	ttgaaataca	caaggggacgc	300
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agttttgaga	cagcctgggc	agtatagtga	gacctgtgnt	gtacaaaaaa	acaaaaaatt	720
agccaagtgc	agtggcatgc	gtgggattgt	cggggggtgg	ggagcctgga	atcacttgcg	780
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<210> 69
 <211> 999
 <212> DNA
 <213> Homo sapiens

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 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (90)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (948)

<223> n equals a,t,g, or c

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<221> SITE

<222> (969)

<223> n equals a,t,g, or c

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<221> SITE

<222> (983)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (986)

<223> n equals a,t,g, or c

<400> 69

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agaatactca	agctatggat	caagcttggt	accgagctcg	gatccactag	taacggccgc	180
cagtggtctg	gaattcggct	tgycaccaac	gasttcatcc	tcagcctgac	agccaagctg	240
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acagcccttg	cctcttccct	gagtgctcca	gagtgacaga	gatgaagaag	ccacttggct	420
ctaggaagt	tggcctggct	ttgatatggt	ttggctttgt	gtccccacct	aaatctccat	480
tggaattgta	atcccccatg	tgtagacgga	gggaggtgat	tggatcatgg	aggcagtttc	540
ccccaaagctg	ttctcatgat	agtgagtgag	ttctcacgag	atctgatggt	tttataagtg	600
tatggaaagc	tctctcttta	ctcactcttc	tctctcttgc	tgcttcttga	agaaggtgac	660
tgcttccctc	tctgcatga	ttatgagttt	cctgaggcct	ccccagccat	gcggaactgt	720
aagtcattta	aagctccttt	gtttataaat	taccagctct	caggtatttt	tttatagcag	780
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acaagccgaa	ttctgcagat	atccatcaca	ctggcgcccg	ytcgagcatg	catctagagg	900
gsccaattcg	ccctatagtg	atcgttatta	caattcactg	gccgtcgntt	tacaacgtcg	960
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<210> 70

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (92)

<223> n equals a,t,g, or c

<400> 70

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tttttttttt	ttttgtagta	acatccagta	ttttaatatt	tatgcttgat	aagtcatttta	180

agttgaagac	tctttatgta	ttaatttcag	caagtaacat	aaccacacag	aatagacaat	240
gaaagcataa	ttagtcatat	tacacaatta	taatttgata	aaaaatttca	acatatacac	300
aagtataaag	aatgtgtatc	tatcatgcag	ctctacaaat	tatcattcca	actcctcggt	360
tcttttgata	tgccaaacaat	ttacaccctg	ccccaatttc	aaattttgaa	acaagtccca	420
gatatataat	taatttcctc	tccaacaatt	cagtatgcct	gagagattct	tggttaaaaa	480
aaacattttt	tttgaggggc	acagggtctc	tctctgtcac	ccaggctgga	gtgtaattggt	540
gtgatcttgg	ctcactgcga	acctctgect	ccagggtcca	agcaattctc	ctgggtccagc	600
ctcccagggt	ctcaggacta	caggcgcaaa	ccactgctct	aggacgcgtg	actcttttag	660
agatgggggt	tcaccatgtt	agccaggctg	gactcaaaat	tctgagctca	gggtatccgc	720
ccaccttggt	ctcacaaga	gtcgggatta	caggcataag	ccagggtgcc	aaagccttgtt	780
ttaaaaattt	atctttatgc	tctgaatgga	aaggctataa	atggagttca	atgaaggaa	840
aaaacattta	aaaaatagaa	tctctttttt	tctctttttt	aagatggagt	cttgcctctgt	900
tgcccaagct	ggagtgcagt	ggcacgattc	cagctcactg	cagcctcccc	tggtgtccaag	960
tgatcctcct	gccttagcct	cccaagatcc	tgggattaca	agcgtgcacc	accaggcctg	1020
gctaattttt	tgatttttta	gtagagatgg	ggtttcgccg	tggtggccag	gctgggtctgg	1080
aactcctgg						1089

<210> 71
 <211> 475
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<400> 71						60
ggttgacaac	ttattagaaa	gttacggcct	gcaagttacc	ggttcgggat	ttcccgggct	120
gaccacagcg	tcgcgagcag	gacctcgctt	ccccagctta	ttccaggcca	gaggctgcac	180
gccactgtcc	ccggcagcgc	caaccctctg	ttgctgttta	ttggtctggt	aataagcctc	240
cgagccagcg	tcagagccgc	ccggcgagcc	gggtccataa	ccggccccct	gccctgcgcc	300
ctgctctctc	tcctccctct	cgggccccct	cctcctgcaa	aaccgcctcc	actagcgccg	360
ctgcgcgtct	cagccacgcg	ggggcgccgc	ggagctctgc	ggggcgctgga	acctgcagac	420
ccggcctcgg	tcagctggga	ggggcccgcc	ccggcacaaa	gcaacctatg	gaataaaggc	480
caagcccgga	cagtcacaaa	aaarraaaaa	aaaaaaaggg	cgccgcgctt	aaaaag	540

<210> 72
 <211> 868
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 72						60
ggnccagcag	ttaactgtka	caccatgatt	actgaggtaa	gacatgtccc	ttcagtcgcc	120
tgccagcaac	tgacttttgc	tatgcgaagc	cggtctattc	ttctgctggt	gggttagcctt	180
tgcttttagag	gactctccct	ctattccatg	tgcttggaag	tgatgagcag	aggggaagact	240
tcacaacgtaa	actcttggtg	ttcatctgga	ccactgccac	caaccaaggt	gggtcacattg	300
ccagacagaa	ctcaactctg	ttctaccoca	gaactgatgt	agaaatgtcc	aaagtattaa	360
gctctggctg	ggcgccagtg	ctcgcatgtg	tagtctatgc	actttgggtg	gccaaaagtgg	420
gtasagcact	tgagcccagg	agttcaagac	taaaacctgg	gcaacagcga	gacctgtctt	480
ctacaaaaag	tttaaaaaat	agctgagggg	ggttggtgtg	acctgtagtc	gtagtaytca	540
ggagcgtgaa	atgggaagat	cacttgagcc	cagaaaattg	aggctgcagt	gactcaaaaa	600
gtgtgctatg	taytctagcy	tctagtctgg	gtgacaaaag	aagaacctctg	tctcaaaaaa	660
caattaaaaa	acaggccagg	tgtgtgggct	tggtcctgta	atcccaacac	tttgggaggc	720
catggcgggt	ggatccactg	aagtcaggag	ttcgagacca	gcttgggcaa	catgtgtgaa	780
ccctgtatct	ctactaaaaa	tacaaaagtt	agccaggcat	gttggtgcac	cgctatgggt	840
ccagctactc	gggaggctga	gggaaggaaa	ctgcttgaa	tccaggaggc	gaggtgacgt	900
gagctggaat	tgtgtcactg	cactccag				868

<210> 73
 <211> 920
 <212> DNA
 <213> Homo sapiens

<400> 73
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 ggggggaccc tcgggactcc cagccttcag agaggagggc agctcgggct ttcggcgag 120
 tgcttctctgc ccgtcacgtg tgtgtccta gccggggtcg ggggagctgc tatcttgccc 180
 ctcttggggag gacgcgcaga gcccgaggag gcagagcccc agacgggaat gggcttttca 240
 ragtgggggg gcgggcgagg ggacgatgca ttatttttaa tatttgattt atttttccaa 300
 ctggactctct tcccggggct cttctctgggc ccagctgctt ttgtgatccc gcgcccgggt 360
 cctggggctty tcacctccag cgcgggggag cccctgctg tcggaagcgg ctgtgacggg 420
 gcagagctgc tatctgggac tctgggttct cagccccggg acagcgaaac gaggggcgaga 480
 tgaaccatca gaaaagagcc ggcactgcc agccccgcgc ccctgcccct gcctttttcc 540
 gggagcgggc cgcgcgcgac ccgtacggc cytttgaccc catctttgag cccggcccca 600
 agctctggga ccgtcgtgcc cctcatcaag gaagagccaa ggaccccaag gagaagagaa 660
 aggagttcat gaaggcagaa atgcctgggg cccacgaaca tcccagtggt gcctgggacg 720
 ggacatcatg ctggggcaaa cagctaaaaat gcgggtgaag accagatttc ttgcacatgg 780
 cgggtgacggg atgctcccta gagagcttca agtggtattct ttgcttttta tttctctct 840
 taataaaaaa ttatgatgtt tacattgtca gagaaaaaaa aaaaaaaaaa aaaaaaaaaa 900
 aaaaaaaaaa aacggcacga 920

<210> 74
 <211> 724
 <212> DNA
 <213> Homo sapiens

<400> 74
 gaattcggca cgagcaatag ccctatgatg aagaaattat tacagtgaag aaatatgaag 60
 ctacagctgc cactattaat tgtcccatta ttaagtgtga attcaaacgt gatctgagtt 120
 tggggcggtgt gtgcacttgc tactctgtgt gctctatcat cattagacaa ttgtatagga 180
 aatacatgat gagcacctac aatcccaagaa ttaagtttta ttcacactcg cgtctcact 240
 actatttaca cagtaagaaa cttttaaagt agcaattaaa ggaatwaacc aaaargaga 300
 aaagratata gactggggamc camcaaacgt gaatacggga agacatgaga aagatgatta 360
 accaatgaaa aaaagagaag aatttcatta gagaatggga atgggagaag agtttttgaa 420
 atgagtatca gattatcaat tattcattac gaagtgaac accccagagt aagcaaaaaa 480
 ttcttaacat ttagtaataa ctacatatcc actatattca aggtcctgtg ttaaaagctg 540
 tgggtggaggc tgggcatact ggcttgtgcc tataatccca gcactttggg aggttgaggt 600
 ggggtggatca cccgagtgca ggagttcgag accagccttg ccaacacagt gaaccccgt 660
 ctctactaaa aatacaaaaa ttactgtgag tgggtggcgc acaccgtag tccagctac 720
 tcga 724

<210> 75
 <211> 905
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (879)
 <223> n equals a,t,g, or c

<400> 75
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 gtgcagcctt tcactgcctt ggccctgcgc ccttcacgga ggctcagggc tgtgtgccat 120
 cccccccatc tcgccaccgc caggcgccct tgcgcaggag aaacagggaa ggaagggggc 180
 ggccctggccc tgcgctctgc accctgactc cctgggagat gatgggggct ggtcactctg 240


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<210> 77
<211> 1305
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1046)
<223> n equals a,t,g, or c

<220>
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<221> SITE
 <222> (1048)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1207)
 <223> n equals a,t,g, or c

<400> 77
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 gagcaggccc ctgctgcagg ttgtctcacc taaagctaca agatgagcag gccacacctc 120
 gcttcattca taaagtatat ttggctacaa cattgtatga gaagctgcac agagggggca 180
 agttggatca gatttcatta taaacatgcc ttacaatat gggtatttwa cattttattt 240
 tattttattt tatttttattt tatttttattt agagacaagg tcttgcctctg ttaccaggc 300
 tagagggtag tggcatgac atagctcact gcagccttga actcctggac tctagcgatc 360
 ctcccacttc aacctcctga gtatctagga ctataggcat gtgccaccac acctagctaa 420
 ttttttttgg ttgtgggata cggggctcca ttatgttgcc catgctagtc tcgaactcct 480
 ggcttcaagc ggttctccca cctyagcctc ccaaagcact gggcattact tscaggagcc 540
 accttgccta gcttcaatat tggttattaa taaggacacg ttaagcccca ttgctttaca 600
 aataatgtgt agaaatgctt catattttaa atgtattatt taaggaaatgt accacttacc 660
 tgtaatctct ttggataaaag atactgtttt tactagtacg gccttagaga aactgttgtt 720
 taagtgaagc aaaacacctg gtacacttga gggcaagatt agagctacag ctgcagttaa 780
 attagtacac caatgttctc ggagcactta ctctcagtcag cttaattcttg gttaaagtc 840
 gccctcccaag ccttgggcca aggaacaggc agggccaaagc ccaccagaa attgagagca 900
 ctgagttgtg tctcctctgc ccttttgtca ctgggctcat ggcccccttg catcatggsc 960
 ccagttccat tcccacctgt gtgtgcagag caacagagtc cagatctgta ggaacgttgt 1020
 ggagaargca gaattctggg catgtntntg cccagcttac aacaatccct gtctcccctt 1080
 ggccgccctc acaagtcccc ttttccaccct ttgcttgtcc tgccattctt gccgtcccc 1140
 cccgtcccaag ggagtcctgc tgcgccggcc tgttcttaca ctcaaacagt cccgcctctt 1200
 cccactntgc ccactgccag cagcagcctg gggctccatg ctcaactcca actcttcggt 1260
 atctctgggc tgagccagag tcacctctgg cagggatggg cactc 1305

<210> 78
 <211> 1085
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (56)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (653)

<223> n equals a,t,g, or c

<400> 78

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ggtcgagcca	cgcgctccgg	gaccgtgggt	aaaaatataa	tagcattcgg	tcaagcttat	120
cattcagcca	tatttggatt	gtaattgttt	ttcatttgca	gcaacagact	ctgactctag	180
ttatcacgaa	caagaagaaa	aggctctccc	tctgttggga	agatgtggag	aaacttacgc	240
aattgaagag	aaagccgaag	aaccaggctc	ggaaaaggac	agcattcagg	acacgtctcg	300
caagaacaaa	atgagtggct	cttcaggatt	ccctgctagg	aalcatggcc	gtggcctctc	360
cagctctgag	ctttatattg	tgtttgtgtg	ttttatcatg	ttgtcttggt	agactgactc	420
cctgtstgtc	tgccggtcga	tacaagttat	gattccaggc	cgggcgcggt	ggcttacgcc	480
agtaatccca	agctgtgggg	atcgacggcg	tgaatccacc	cgcccagctg	aaactgtctc	540
cttaaaaggg	tgccttccct	ccggtggctg	tcagtccccc	gggaccccgc	ccggagtctc	600
cgcttttcatt	ccctcctgtg	ggaggaaagt	cagtgctcag	aatcgcatcc	tanacgtcgc	660
gttatctgca	ggctacagga	tgggctgaag	ggaacacagg	acgtcacttt	aagggtttgg	720
gatgggggct	ttgctggcca	aaacttactt	ttgaggttct	ctctttgggt	tgctctgggt	780
tgtttttaat	atgtgtggga	tagaaatcaa	tgtgattcca	agtgtcttgt	actcagaaaa	840
ttttaactgt	cttggtttgc	tgtctgtgca	ttctcctggc	ttcccarcar	ttaccarctt	900
atttataat	ataaatttat	ataataata	aatatataca	tatacaagtt	tatatataat	960
caataacaaa	tatatataat	tatatataat	tttycttttt	ttctttttga	gacaggtctt	1020
gcactccagc	ctggatgaca	gagcgaactc	cgctctcaaaa	aaaaaaaaaa	aaaaaaaaag	1080
cgggcc						1085

<210> 79

<211> 298

<212> DNA

<213> Homo sapiens

<400> 79

ggcacgaggt	cacggctcact	agctgatccc	tcaggctctgc	tgcaaacaca	gcattggagga	60
cacagatgac	tcttgggtgt	tggtcttttt	gtctgcagtg	aatgttcaac	agtttggcca	120
ggaactgggg	gatcatatat	gtcttagtgg	acaggggtct	gaagtacact	ggaatttact	180
gagaaacttg	tttgtaaaaa	ctatagttaa	taattattgc	attttcttac	aaaaatata	240
tttggaataa	tgtatactgt	caattaaagt	gtttttgtgt	aaaaaaaaaa	aaaaaaaa	298

<210> 80

<211> 505

<212> DNA

<213> Homo sapiens

<400> 80

attacccttc	cactaaaggg	aacacaaaag	tggagctccc	accggggtgg	cgggcgctct	60
agaactagtg	gactccccgg	gctgcaggaa	ttcggaacga	gtccaatatt	gaccttaacc	120
tacttttcca	aactctcttc	ttacatcctt	tctcaactat	tataagcacc	agtcatactg	180
tgctgttaga	catacacaaa	gaacaacatg	cttttctgtg	ccttggggat	gacattttct	240
cttccatgca	cttacttttt	aactccttgt	ttgttttaat	tagcaaatgt	ttattgattg	300
gcgtcaaat	ggcatgtctc	gtctaggcca	gtgaaagtat	aaagataaat	aaacaaagac	360
cggatattga	agggatcat	aactctagtgt	gacagactaa	aatataaata	aataattata	420
ataaatcttg	tttaagtcta	agatatgagt	ttgaraaaaa	agaaaaaaa	ttccgggaca	480
atggaaaaaa	aaaaaaaaaa	ctcga				505

<210> 81

<211> 733

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (483)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (490)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (492)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (608)
 <223> n equals a,t,g, or c

<400> 81								
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cccatctgga	gaagacatga	cggctgggtc	tgcaggaccc	agctgaacct	aggagcagat		120	
ttggggatgg	caatcagatg	ctgttcttct	acctcaaatg	ccttgatcct	tattctcttc		180	
acctggacag	ttcttcttca	tcattccaaga	tccagctcct	tcctgccttc	ttttaagaag		240	
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ctncaacttt	nttttttna	gttaaaataa	ggtcattacg	atggcccttg	gtcccacctg		540	
gctgggtgct	ttatgagaag	agatgaggac	acagcacacg	cncagcgaga	agaccacgtg		600	
aagacnncng	gagaagatgg	agagaggcat	cagaggggagc	cagcactgct	gacacctccg		660	
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aaaaaaaaaa	aaa						733	

<210> 82
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 82							
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actggacaga	aaaaatttat	tttaccgtag	tagttttctg	taagtttact	tttaaatattg		120
tagagttata	aactgcctgg	gccttaattg	aaattagaaa	taaaacaatt	agatgacctc		180
agggtgacct	attacaaaat	gctcttgta	taacattaaa	agtcatacaa	ttgatacctt		240
atttcaggtt	ttgaataatt	catttgaaac	atgttaattt	ttatactatt	agcgaccaac		300
cttttttgat	cctctctttt	tgaataatta	atgtacagga	gttttcagaa	taattaacag		360
attatataga	tctgacttga	ggctaggagt	ttgagaccag	cctggccaac	attcgcaacg		420
agtgaacctt	cgtctckact	aaaaaaaaa	aaaaaaaaa	cga			463

<210> 83
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 83	ccaagagttt	tattactagc	tggattatga	tgttagcccg	ttgtgtatct	tctatatctt	60
	atgttaggat	tcttttctcc	catcttcccg	catcttcate	ttttcttccc	cacagcatat	120
	tcttggagag	aaaggagtag	gcaggagttt	gctattttgaa	ggcaagtagg	gagagagatg	180
	tggggaggct	ggtcaaaaaga	ggaaactcaa	gtttaaagca	atgaaacacc	aacactaact	240
	tctttttcga	agttgctgat	ggctttgtgt	ttagtaatcc	agattagggtc	atgaatcttt	300
	tgatcacagat	aggttttttt	gtgtgttttg	ttttttat	ttgtttttgt	ttggtagcga	360
	gctcaatcca	gc					372

<210> 84
 <211> 656
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (148)
 <223> n equals a,t,g, or c

<400> 84	tcgacccacg	cgteccgttc	ccaatatctc	tcatttttaa	aaatatcttt	tcttacacta	60
	gaatgttatt	cctgtctctt	tctttggktc	ttttaaaacc	ctgtgttttc	ttcycctttt	120
	ggggagmccg	aattgtaaat	attgrgantw	ttcagtmcca	gcaccatgct	gaaggaaaagw	180
	tcgttagcta	ataccttttt	tttttttgag	acggagtcct	gcactccagc	ctgggcamca	240
	agagcaaaac	tccatctcaa	agatataagt	gttttcaact	ggcgggttaag	aaaaactgct	300
	gctgttgggt	ctctaaacttc	ttacaacggt	ggttcccact	taatcttatt	taggtcctgg	360
	agccctaaaa	aaaaaatctg	aaaaactgct	agtcctgctt	cccagaaaaca	cttgtgtgaa	420
	acgttctcgt	gtttttgtgt	tgagactggg	tgacagagca	agactcagtc	tcaagaaaaa	480
	aaaaaaaag	aatacacacc	agcctggggc	tggtgggtca	cgcttgtaat	ctcagcactt	540
	ttggggaggcc	gaaggcaggt	ggatccacct	gaggtcagga	ttttgagacc	agcctgacca	600
	acatggtgaa	accccatccc	tactaaaaaa	aaaaaaaaaa	aaaaaaaaag	gcggtcc	656

<210> 85
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 85	ccacgcgtcc	gctgccccca	tgcagtggtta	gtcacccgttc	tgtccccgcg	gggtgtgtgt	60
	gagaaaggta	aaagggcggt	tccagagcct	gagggcctgt	gagtgcaagt	tacataactg	120
	ccgaaactta	aggaagcgct	taaaaaaaa	gaaacatgtt	aacccaaaat	ggtttatttt	180
	tttttttttt	ttttttgtgt	ttccagagct	catgcaaaac	tgcaaaaaaa	aaaaaaa	238

<210> 86
 <211> 1519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1470)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1473)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1519)
 <223> n equals a,t,g, or c

<400> 86
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 ggaagagagaga gaaaagaaaag atggaaaacc agtgagccct gtcaagcgag agctttttacg 180
 gcatagggac tacaaggtgg acttggaatc caagcttggg aagacaattg tcatattacca 240
 gacaaccct caatctgaga tgggaggata ttactgcaat gtctgtgact gtgtgggtgaa 300
 ggactccatc aactttctgg atcacattaa tggaaaagaa catcagagaa accctgggcat 360
 gtctatcggt gtggaaacgt ccaccctgga tcaggtgaa aaacgttttg aggtcaacaa 420
 gaagaagatg gaagagaagc agaaggtatg tgaattttgag gaaaggtatg agggagctcac 480
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 ggctgaggag gacttgacat ttgaggagga cgaatgagat gcagctgtga tgggctttctc 600
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 tatgtcggag ctaactttgc gtgtgtgtgt gtgtagtagg gggctcatttc tttttgggta 720
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 ctctactttg ggagaggcca cagattgcag aggtaatgct gtggcataat gcttctgcct 840
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 cccttctgag gctgctttcc caaaactccc cctgcattct tatctcttca tctatccacc 960
 ctcttctctg aacatccac ctttatcctg tgttctgcct ttgttttaat tttaactcat 1020
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 agtaaacagc aaattaaatg ggatgagtg ttgggtgtgt ttgtgtctga tgaatttttt 1260
 aacattcagg tgtatagttg ttcagcttct ctgttttcat ttctctgaag atttatgttt 1320
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 aacaaaacaa aaaatcccca aaaccttatt atggggagccc ttccgtctta gaagctgttt 1440
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 aaaaaamaaa aaaaaaagan

<210> 87
 <211> 728
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (526)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (604)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (668)
 <223> n equals a,t,g, or c

<400> 87
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 atgtgtggctc atgctcttga tccagagcct ttgggaagcc gaggcaggag gattgcttga 180
 gccaccacgt tcaagaccag cctgggcaac atagtggagc actgtatcta caaaaaatta 240
 aaaaattagc caggcggcgt gacaaagggtg ctacgcctg taattctagc actttgggag 300
 gccaaaggtg gcagatcacc tgagatcgag agttcaagac cagcctgacc aacatggaga 360

aaccctgtct	ctactaaaaa	tacaaaatta	gctggggcgt	gtggcgcatg	cctgtaatcc	420
cagctacttg	ggaggctgag	gcaggagaa	cacttgaacc	cgggatgcag	aagtgcggt	480
gagccaagat	catgccgttg	cactccagcc	tgggtaacaa	gagtgnaact	ccatttcaaa	540
ggaaaaaaa	aaaattagcc	aggcatgggt	gcacagcat	agtccagct	actcagtagg	600
ctgnatggg	aggactggg	ggcctgggg	tgccaaaggt	gcagtgagct	gtgatcacgc	660
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gaggaaaa						728

<210> 88
 <211> 1516
 <212> DNA
 <213> Homo sapiens

<400> 88	gggtcgacc	acgcgtccgc	gagtagctgg	gattacaggt	gagcaaccac	aacgcattggc	60
	taattttttg	tatttttagt	gagatggggg	ttcaccatgt	tggccaggat	ggcttcgatc	120
	tcctgacccc	atgtttccga	ggcctcggcc	tcccaaaggg	ctggggattac	agggtgtgag	180
	cactgacccc	ggccccggcc	tttgtctttc	tttaaccgtg	tgcttataat	cacgatgtga	240
	attgtatgtt	agtgtaga	tttccgagag	tagaattttt	tttccctttt	agaacctcag	300
	tgccatggcc	tgctctggcc	ctctctggga	aggacagcag	aggggacact	gctgtccctg	360
	gctgtgacaa	tgctgcagta	tcacacggag	gctttcaccc	tccaccctaa	cactcagcttc	420
	cagctgagcc	aaccaggagt	ctgtgttttc	gtatatcaga	tgccagatgc	acacaactgt	480
	tttatgaag	atgaacaaa	accagaaggt	ataacagtgc	tttaccagttc	ttctcttaat	540
	tcctgggccc	gtatgatctt	atcatgtatt	aaactcagaa	acactacttt	tgccacatgtc	600
	aggttaactg	acacaaatag	tgccaatctc	tgccctgttg	aggggagctg	gctttgctat	660
	tagaggactt	actcgtatcg	gggggtttgg	atgaaggtgg	tgccgtgat	gtttgatgat	720
	gggaaaaaac	acagcacctt	aagaagtaca	gaatcatagc	aacgcagggc	cagtggggac	780
	cacaggggtc	cttccccagc	tcctgtcatt	tacactcgag	tgaagaagcc	aagtgtatctg	840
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	gatctgggaa	abgtttgtct	ggccccaga	gtgtagttaa	aactgggttt	tctggagaac	1020
	aagagaaagc	ttcagtttaag	tcattcttgt	aaccagggtc	ggcattccgt	gaagccgcga	1080
	gcatagcata	cttgtgggaa	ttttgtgttg	aagaactcga	aggattcttc	cctgcgttac	1140
	tgccaggtctg	aggattggga	ctctcttttt	ctcatttccc	acggtgaata	ccccccagcc	1200
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	aaaatgcata	aaattggcgg	ggcgtgggtg	tgggcgccgt	tggtcccagc	tactcggggg	1440
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<210> 89
 <211> 887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (881)
 <223> n equals a,t,g, or c

<400> 89	cgactcaata	tagggcgctac	gaggtcgacg	gtatcgataa	gcttgatata	gaattccaaa	60
	aacctgatac	tacttcaaga	gtttctgtct	agaagaaaa	gagagttatc	ataataggaa	120
	gctgtggggg	tcctatgcata	ctgtgctgtg	tcacatacag	cgatgagagt	ggcttctata	180
	cttttttttt	tttttaagtt	aaacccctcc	tttaccocca	cgagtatctc	agggtataga	240
	atcagagctg	cagcagtgac	aaatggcatt	tttaacttga	aaatcgtgtg	atgatgtctt	300
	tcattttgaa	atagaagaat	aaaaacctgg	tcccgtttca	ccagacatga	atttcaagtg	360
	gctgtctctg	ttctcgagag	tgagtgtctt	gacattttca	ccagggccct	ctcttcatac	420
	catcacccgc	gtctactggc	gggtggccgt	aaacgtctct	cggttgctata	ttaggatctc	480
	tgccagtctg	gcttcaaaa	gcttctcagt	tatccggggc	acgggttagt	gtgggtcag	540
	ccctgtctgt	tgccccctgc	gcgagctgtg	ttgtccgctt	gcgtgcctcg	cgccccacta	600
	cagggctcga	gacaatcgag	gcgagggcgc	tgcccgccag	cagctcacag	cgcgggggtc	660
	atgtggtcgc	tcctcgaggg	tttctgtttt	gttctgtctc	attaagactg	gaatcaagct	720

tacatgtataa	ctattggtaa	tttaagtttc	cttttgtgtc	attcagtgta	aaactgtcta	780
atttgaaaaa	aaatgtaggt	tatgaaaaa	aagatttagg	cactgtttaa	aaaggaattc	840
ctgcagcccg	ggggatccac	tagttctaga	gcggccgacc	ncttcgg		887

<210> 90
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<400> 90						
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gaaagtgggt	acaatgggtac	tttcagcctg	tccgaattat	gtattgcccc	tccccctttt	120
attaataaca	ttgaagtgtg	atgggacaac	cactgaagcc	gtctgtgtga	acctgctggg	180
acttttttagc	cattctcttc	aacataaaga	atgggtgttt	ttggaggggg	tgagaggaat	240
ggggaaatgt	tgcataaagag	tacaatgttt	tagttgagac	aggagggaata	tattttgttg	300
agatctacag	ccagcatgg	tgactgtagt	taacaatgaa	gtattgtgta	tttcaaatct	360
gctaagacaa	taaatttcaa	atgtttctac	c			391

<210> 91
 <211> 809
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (564)
 <223> n equals a,t,g, or c

<400> 91						
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tgccgtctct	atctatgcta	ctatcagcaa	ctttatggtc	tcagtcacct	ctctgtgaca	120
cattaatcaa	agacaaagca	aaaagccagt	cagacaagag	aaccagggat	gaaaaatttg	180
gtaaaattga	attttaaaaa	atatgagtc	aattctgtgg	ctgtaccat	aagacgcaaa	240
atggaatgat	cagacactga	tcctctcgat	gtgattgttg	tgatcagtcga	aatccaacat	300
agtcctcttg	aatgtgacca	tgaccagctw	gcaacacctg	gttcagtcag	gtacaaaaga	360
agtcyctctc	maaggtttgg	cttgtttcag	cgctctgtgt	tttgtcccta	cttgagaggc	420
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catctctwat	tacacggccc	atatctgcta	ccacctctgt	aaattaccc	tcctgtcata	540
acggctcttc	caacaaaact	gcctatctcg	ccagtgtaac	caacttccctg	caccattcaa	600
gttaaccaat	caggttccag	ttagattttg	tgggtcaact	ccagccagtg	gaggttaagac	660
acagtagcac	ggacaagccg	cattagggat	aaaaacccct	tcctctcttc	attcagtggt	720
ctcttatggt	gaccaaaact	gtgagcagca	cccttttgca	gaataaactt	ttgccttgct	780
gagaaaacct	ttgtttaagt	gtctacattt				809

<210> 92
 <211> 1571
 <212> DNA
 <213> Homo sapiens

<400> 92						
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tttcttaaaa	cgagttctgc	cagtttccgg	ctccttcac	gaatagcaat	atgcaaggga	120
gtatctcctt	ttctatctac	agcagacact	gtagcacctt	tgcttagcag	cagctccacc	180
acttcaatgt	ttctcatctt	ggtagcctt	ataagtggcg	tttcaccatc	ctttgtgcat	240
atttcagtgt	caggattgca	ttcttaagata	ttctcacc	ttgttgcat	ttctttctca	300
acagcccaat	acaagagcgt	tttattatcc	tagataatta	aaaaaagaca	caaaccaaac	360
aaccagagg	agaagagccc	ctgccactg	cactctttgg	ttctctgtgt	tgccctgctg	420
gtctctgagg	aagaagccag	gctgttcgcg	gtggcctctg	gggacctgag	ccccgggggc	480


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cccctcgccc tccagaaggg acgttggggt cccgagcaac tctgcctcca tccacgtggg 540
aagcgggacc tcttggccctc agcttggggt tgggggacct agtgaggagc atctggcctg 600
aacatcgact gtgggggacag cctctgcctt gccaaagcact gcggccactg agcagctatg 660
ttccccgcgc agtggggccc tgagcggcac ctcccaggtg cccctcgagc aaaaacctct 720
ggcgctctcca atccagacag accacagctg gaggggccag cctctctctc cccaggtctc 780
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ataccgtcga c
1571

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<210> 93
<211> 1001
<212> DNA
<213> Homo sapiens

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<400> 93
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gttgcttttc cagatgttcc tgggttttcc aggatcccaa gcaggtctgt tccagcctct 180
gattgtgtat cggggcaaga ttgacacagt acagtgatag aagttattca gcacatccct 240
gccacgagc agaccatccc agagtgaact ttcatgggtg aaacagtaca ttcgagtgaa 300
atctctgaaga aacattttaa ggaaaaaacag tggaaaaagta tattaatctg gaatcagtg 360
agaaaacaaag accaaacacct ctactcatt attcctttac atgcagataa agggcattta 420
tgcaaaatga actgcaggtt ttccagcata tacacaatgt ctgtgcaaca gaaaaacatg 480
ttggggaaat attcctcagt ggagagtcgt tctcatgctg acggggagaa aaaaagtgc 540
aggggtttcc tcgtaagtgt tgtatgaat atctctacaa acctcaatta gttctactct 600
acactttcac tatcatcaac actgcagacta tctgttctca cctacaaatg tggaaaacttt 660
acattgttcg atttttcagc agacttttgt ttattaaaat ttattatgtg ttaagaatgc 720
taaaatttat ttccaatttt atttccaaat ttctatcttg ttatttgtac aacaaagtga 780
taaggatggt tgtcacaaaa acaaaaactat gccttctctt ttttttcaat caccagtagt 840
atttttgaag agactctgga acccttaagg aaatgactat taagttctta tttttttttt 900
tttcaaggaa agatggattc aaataaatta ttctgttttt gcttttaaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggcggc c
1001

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<210> 94
<211> 1873
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1832)
<223> n equals a,t,g, or c

```

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<220>
<221> SITE
<222> (1833)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1834)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (1863)
 <223> n equals a,t,g, or c

<400> 94
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 ggatgtctctc ttgggtccat accctgatat gcctgagaat tcccgggtcc tacgagtgtg 360
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 gaagaggcat cactggagc ttctacttgc agacactcca attatcagtc ctggtaaaaa 600
 gtgcttctgt gtgggtctct tggatgtctc agacaagtgg acacgggaacc agctcagccc 660
 ccagttctgc aggtgcttga ccaagtaetc ccagatccct agtgtcctgg tcatgaacaa 720
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 agcgtatggc ccagagtttc tccctgagtc gctgttgcta gtcagctctgt tctctctct 1680
 gccctcactt ctctcactt gaacttggat aagaactcgt gtcctctgag tgaggtagga 1740
 cctcccatct gctcccaat tcttgatctc tcccacccca tccctctccc cagctcttga 1800
 tactaataaa atataagcat tctggttctc annnaaaaaa aaaaaaaaaa aratgggggg 1860
 ggncccgaa ccc 1873

<210> 95
 <211> 1276.
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1168)
 <223> n equals a,t,g, or c

<400> 95
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 agaaaattttt aactcgaag atcagggttt ttctgtttgt ttgtttttta acacacayata 180
 atgtgaacaa agagtatgct ttgtactggt cagaagaagc gctctggtaa gaacaccagca 240
 agttacaaat ggtcacctcc agaaaatgggc ttgggtaaaac aagaatttt ttgtttttg 300
 tttttttga gtcagggtct agctctgtca cccaggstgg accgcactgt ttgtgacag 360
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 tcagctctccc aaagtgcctga gattataggt gtgagccaca gtgccagcc ccgtagtgg 600
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 ttgtgtctct gccaaattaa agagtcttac tgaatgcggt gcatccagga gcaggcccca 780
 ggttttggact ggtctctcag cctcagaagc atctttttct ccgactgact ccgtgtttag 840
 gtaatgtctg cctgctctgc tagggatctc cacaccttag gccagccacg tccgctctgc 900

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cccagaaaaa aaaaaa

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<210> 96
<211> 1351
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (240)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (415)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (729)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (766)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (806)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (807)
<223> n equals a,t,g, or c

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<400> 96
cttttccctac ttggaattga gaatgggtcc catcatcttt tgaacaagat actgagtggt 60
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ccttttcgccg gggctggagt gcagttgggt gatcttggcc cactgcattc keyctctcm 180
gagtagctggg gatyacaggc tcccgccacc atgccaggct aatttttgta tttttagtan 240
agacgggattt tcaccatggt ggccaggcta gtctcgacct cctgacctca agttagctgc 300
ctgcctcagc cctcccaagt gttgggata caggcatgag ccactgcgcc cagccagcag 360
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gtgaaagaatt aagcatgcag atgggaaatg ttcaggaaag aagttctatt ttgaaagaat 480
attttgatctc tcaagtctca aaggaattcc taactctctc ggttgcagca tcttccatc 540
aggagtagat ttggtaagaa atggaattcc taactctctc ggttgcagca tcttccatc 600
aacactctcca amagaaatrt gccaggtaat atagataaac tttttgcttt ccargggtga 660
gacttgcctg attgaatgct tctgaaaatt tcactctgatt tctggttgca cgctcngatt tacgatgcac 720
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agtacctttt tgacttccca tgttctgtgc ttttagcagt agggatttga gaccctttca 1260

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gagtttagatt tgtgtttttt taaggcaagt tgcattagat gtaaggtagg aaagagtaag 1320
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<210> 97
 <211> 1046
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (483)
 <223> n equals a,t,g, or c

<400> 97
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 cattcatgag atcagagttg tagccaattt ttgaaaacct tattttcaaa ggaataataat 120
 gattcactgt aggatctctt taaatatcaa gcatcaccag tatatgcttt gatggtatat 180
 gtatatcaat taaagtctct tcaaaaagcct gatacagaaa cgtgtcccca gtttggttagc 240
 aatgtgaaaa acctggctag agatgatag gagctgtccc tcagaaagca aagccatgcc 300
 tggaaatccct aataggctgc ttagttgtga acctgtttga tttgacctaa gccctatacc 360
 agaaacctgc ccgcttccgt ctggttaaga agccagtggg ggatatttct tttgttaaca 420
 ttgaaaatgc aaacattccc ttgtcaacca agaatactoa aagctacttg tattggaat 480
 ggnccagaagg cctaaatcca aatttcttat ttttataat ttaccataga agttttgtga 540
 ttaaattctt acttctgcca gtggagggttt atgcctgaaa gtcatggggg cctgtctgtga 600
 aatagacctca aagagaagtg cagtatttat tctttgtagg cataatgtgt ttgtcactga 660
 caagcattca tattcatccc actagtcttt tattgcagtc ttttattgtc attttcagcc 720
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 gggcgctcca ccccttttcta atgaaaagctg ttgtaagcca cctctgactt ggaaattctg 960
 aaagtatgaa tattttttat atcttaattg taaaatgccca gttctccatt atttagatga 1020
 atagtagaac actgcacctt ttgtgcagtg tttttgttct tctactgcat tctaccccc 1046
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<210> 98
 <211> 1132
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (153)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (260)
 <223> n equals a,t,g, or c

<400> 98
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 caggccggtg tgetacgctg cggcgagccg ctncgctctg gtctgtcagg tgetattgcc 180
 gctggaaggc tccccttttc accgtctgct gcacgtgttc gcgtgcgctt gccccggctg 240
 tagcagccggc ggtcgccgan tggaaagtgt tccgctccca gtgcctgcag gtgcagaga 300
 gagagccgca ggacgctcag aaacagggaa acagccttgc agctgaggac tgggtgtaag 360
 gtgtctgatg ctggggaagt gatactgagg agggcgcttc accacagttt acctgtgatt 420
 ttgggaatra tgcagcagtg gccaaaacgc tagactggac tgetcggytc caagacctcc 480
 gccctgcagg tgcgtctcgt ggtgctgccc atcctgtgcc tctctgggctg ccgctcttcc 540
 tgcctacta cactctgtgt gcagatgagg atgattacag ggactttgtc aacctggatc 600
 atgccccagc cctctcgagg gactatcagc agagagaagg cattgccatg gatcagttgc 660
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 ggtattctgt gagtggagag ccactctttt tgacctgccc tacatcagaa gtaccaggc 840
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tggtcagcat	gctcaagagt	gctaatatag	gtctttctgt	ggaatttggg	acaattctag	960
tttacacatg	tgagagagat	tgctgggccc	caaatcatca	gactcccatg	gaagaatttt	1020
gtattataca	agaagaccga	gatgaattat	tggttaagta	gagcatttcc	ttttattaat	1080
ataaatataa	acaaatgttt	acatccaaaa	aaaaaaaaaa	aaaaaaactc	ga	1132

<210> 99
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<400> 99						
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gccctccctc	gcgggtgggt	gacagctggg	tccgggtccgt	cgccggctgc	ctgggggtgcg	180
aggatcgctc	accocgtctt	cgcgcgtgtg	gctgtccgcc	cgcccccctc	gtcccccgcc	240
tcccgtcgcg	tcgcgtcccg	tcccctcggt	tgctgccagc	cggtgctctg	tgccgagctcg	300
tggcagcgag	gacattttct	gactccctgg	ccctcgacac	ggctgcactt	tccatccgtg	360
cgcggggcgc	ggcgtctact	cgcccccagg	atgcagaaatg	tgattaatat	tgtagaaggga	420
aaggcactgg	aagtggctga	gtacctgacc	cggttccctca	aggaatcaaa	gtttaaggaa	480
acaggtgttaa	ttaccgccga	agagtttgtg	gcagctggag	atcacctagt	ccaccactgt	540
ccaacatggc	aatgggctac	aggggaagaa	tgaaagtga	aggcatacct	accacaggcg	600
aaacaatttt	tgtaaccaaa	aaatgtgccg	tgctataaag	gggtcaaaac	gatggaatat	660
tcagatgaat	tggaagctat	cattgaagaa	gatgatgggt	atggcgagtg	ggtagatata	720
tatcacaaaa	caggtattac	aggaataacg	gaagccgtta	aagagatcac	actggaaaaa	780
aaggacaata	taaggcttca	agattgtcca	gcactatgtg	aagaggaaga	agatgaagat	840
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cacatgtatg	aagacatcag	tcaggatcat	gtgaagaaca	cagtgaccat	tgaaaaatcac	1140
ccctactcgc	ccacacctcc	catgtgttca	gttccacctat	cgaggcgatgc	tgagggtgatg	1200
aagaaaaatc	ttgagactgt	tcgagaagga	gggggagaa	ttggagttca	tatgtatctt	1260
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cacttcacaa	tgtaaatga	agagcataaa	atctatcccta	attatgtggt	ctgattttta	1380
aagaattaac	ccatagatgt	gaccatgac	catatttcac	aatatatata	gtttctctaa	1440
taagggaact	atatgtttat	gcattaaaata	aaaatatgtt	ccactaccag	ccttacttgt	1500
ttaataaaaa	tcagtgcacaa	gaaraaaaaa	aaaaaaaaa			1538

<210> 100
 <211> 798
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (341)
 <223> n equals a,t,g, or c

<400> 100						
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tttgcagatt	cagtgaaact	ctaaaaatgt	ctttatctag	caacataata	gaaaaactata	180
tgatagacat	ccaacataaa	acaaattaga	acaggcaaca	caaatgcctt	tttcagttta	240
gtgaaatagc	gtacagttgc	ttagtgtatg	gtgacgtggt	aaacataata	tgccgactctg	300
tgagcatttt	atttggcctc	tactagcttt	catacctcaa	nttttgtagt	caggtctcac	360
aggtttttct	tcattttac	agcaaaaacca	caggaaaaga	gactttaaaa	gagactatca	420
ggcatgcacaa	gatactagt	aatcaaaaaa	gtacttaaaa	ataaaagcaa	acgaggccag	480
gcacggtggc	tcaggcctgt	aatcccgcca	ctttgggagg	ctgagggcgg	tggtatcacga	540
gatcagtgga	tcgagacat	cctggctaac	atggtgaaac	cctgtctcta	ctaaaaatcc	600
aaaaaatctg	ccaggcgtgg	tggtgggcac	ctgtagtac	agctccgggt	gtgtgaaccc	660
ggggagcgga	gcttcacagt	agcgtctacg	atagcgtcac	tgactctctg	ctggggcgac	720
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aaaaaaaaaa	gggcggcc					798

[illegible]

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<211> 1303
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1214)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1265)
<223> n equals a,t,g, or c
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<220>
 <221> SITE
 <222> (1276)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1283)
 <223> n equals a,t,g, or c

<400> 102
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 aaatactact tggattttgt aaacaaatgt ctgtgggttg ccttccaagg actttaaagt 120
 aggccttatct ggctgaagaa ttttgtgaga aatgctcacg ttagtgtctt ttgtctttct 180
 cttgctcttg ttagagtcta tgatttagag gatgtatgct ttgctgtgga atactctgga 240
 gctgaagaga agaagccagg tcttagcatt cttctctata aaatgttttc ataccttacc 300
 ccattttcaa tatggtagat ccttcttcaa ccatacatgt ttctctcag ttttaggaat 360
 ttgtttttcc ccaaaagaaa aacttccagt cttctctctc agtgggtgaag gagcaatcac 420
 caagtgtcca caactggaaa gaggattgat aatctaacta cttcttaccac agatgtagat 480
 ttactcttcc tgtatttctc ttaccttccac cttcacttgc aaaggtgact gatgatctct 540
 actctctgtgc ctttggggga ttttgtaatg tggattttgt ttgttcttgg atttcaactgc 600
 atgtaaaata agatttcagca ttataaattat gttaatctgt tacctgttcc tatctgtcta 660
 ctcaactttct gctttcaaca ttttcttgcc ctttccctct gtgggttttg ctctctcttt 720
 tctctctctt tctctctctc tctctctctc tctctctctc tctctgagta ttgtttgtgt 780
 attttggggg tttttgtgtg tgtgcccctg tatttgtctc cttttgtctt gccattgtgg 840
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 ttgcatagct tgggtcagca tatcccaaaa cagacatttt acatgagatg cggcaggtgc 960
 aagagcatag cacagacatt gatttccatgt gtgtaaggtc aatgaagggc aggatgtgct 1020
 actgtatagtt acacacatca ttgtctcatct actgatacat gttactagtg ttgtggcagtg 1080
 agatgggctc atctactgat acatgttact agtgcgttac tccagatggg ctactctttcc 1140
 ttcaagcttcc ctcaatttta gcttaatttn tagccaggtg gattttcagt tctctatgag 1200
 caccocatca ctgmagtgc tgttttggag ntggtaaaag acnaagngtt cctttgattt 1260
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<210> 103
 <211> 1248
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (310)
 <223> n equals a,t,g, or c

<400> 103
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 atgctccagg actgggggsc atttatgctt gcaattarat ctgaggggag ktgaggagac 120
 ccacatgggtt agccagccct cctttctcca ccagactcag cttttttgaa gcttgcagag 180
 atgaggaagc ttaattaaac tctctggaga tatctttttc catcctgaaa attggagagc 240
 catgatcata ggtatagaga tggttgaatc ttaggctcct cttcttcttc cctctatacc 300
 atccccctn cccatgtact cacatagcca cagtcacata cacatggcga tttyaagtca 360
 aacaaatttg taaaaaatg attcttagam cagccacggt ggctcacacc tgtaacctca 420
 gtactttgca ggcggatggt tgagarattact tagggccagg agttttgagc cagcctgggc 480
 aaataggtax accacatctc agaaataaat aaaaagcaaa aaataaaaaa aagtagattc 540
 ttgactttgct ttgggtctca tcagaagcca aaacaatcat ccaagtcctaa gtatggccac 600
 ttgatgtctgc agtgcgtgtg tgagakattg ggtcagtgca caccatctct ccaccataa 660
 tcacaaatca gaggccacac catggcttcc agcctcttaa tctgtataaa aagttgatgg 720
 ggtgtgcaat ctaaaatgat aaaaaaagat tctcaataa gcggtcttga actggtgcag 780
 tttcacaccc aaactcaaca accccagatc tcttttagca atccacagag aagaagatt 840
 aatgttcaag ttgtctaaac aatattttaa atgggtttct acatacatct gagggctacg 900
 aaggttagca cttccaaagca ggtaaaatatt ttgcttcttt tattttactt catggattct 960
 tctcttctct tctcttctct caacctcata cctctgagata agaggaccca gccaytggat 1020
 ytcaaagcaa atgttaaaat agttaaataat ccacattcat ttagccactc aaatatttaa 1080
 ttatgttctca tcatatctaa ggcattatgc taggtactgt ttccaattta gtacagtagc 1140

tttttataat	acaatattcc	cacagacagt	gtgtagaggt	caaattcatt	tttcatgat	1200
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<210> 104
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 104						
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cctccgggt	tcaagtgtt	ctcctgcctc	agcctcttga	rtagcttgga	ctacaggcat	120
gtaccaccac	gactggctaa	tttttgtatt	tttagtaaa	acgggggttc	accatgttgg	180
ccaggctggt	cttgaattcc	tgacctcaag	tgatccgcct	gcctttggcc	tcccaaagtg	240
ctgggattac	aagcgtgagc	caccacgccc	ggccaggatg	ttggttttct	tattgagttg	300
taggaattcc	ttttatatcc	cagatgcgaa	ttctttttcc	aatatatgtt	ttgcaaatag	360
ttcctttcag	tctatagctg	gtctttgtat	ggtctttttt	tttttttttt	c	411

<210> 105
 <211> 981
 <212> DNA
 <213> Homo sapiens

<400> 105						
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ccctgggtct	ggcagagat	ctgcactccc	cagagggggc	agggtggtct	ggagcctagc	120
ctacctgcct	agagtcagag	gtggctgcag	gggaaccatg	gcagccctcc	ttctcacact	180
catctctggc	accctgcacc	aggcagaagg	tttcatatga	caatcaccca	ttcctagccc	240
ttctgggagg	aagcatactc	tacggatggc	gaccttgagg	ctcaggggct	ttaaaggtgc	300
agcctgagat	cacacagcca	gtgagaggca	gagacagggc	ttaaactcca	gacgatggct	360
ccagagcccc	ctctcttttc	catgcctctg	gctgcctctt	tcgccagtgc	accttgcctt	420
ttggaaacag	atgaccaatg	tggaaagaca	tgaactgatt	caatcagagt	gtatggagaa	480
gggacttaga	gaccctggta	tttttaaagc	tcctctgtct	tagtaaaaa	acaaaaatta	540
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tgggcaacag	agtgagactt	tgactccaaa	aaaaaaaaaa	aagaaatcag	atactaaca	720
ctctctcctt	cttctctttc	ttcccaattt	ttgtttaatg	tatcatctct	aaattcatgg	780
tttatattta	tatatgtcct	taactctcac	tcacattggc	cctacaggta	gattcattgc	840
tcactgaact	ttctcttgct	gggattacac	gtgtgagcca	ctggggccgg	cctaggtttt	900
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actcaaaaaa	aaaaaaaaaa	a				981

<210> 106
 <211> 748
 <212> DNA
 <213> Homo sapiens

<400> 106						
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aattccaagt	aaaaatgtaa	atcgagtttt	ttctctgatt	gtcacagaga	ctctggtgaa	180
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atccatttga	aaggtctctg	ctgttgactg	actatgcacg	agacatatgt	ggggcctggg	420
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gcctctactt	ttaaatgtaa	ttcctgtgca	tgccacacca	tatgttactca	aaacaggggt	600
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gagtgattct	tgtctcccat	ggtctcga				748

<210> 107


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<211> 321
<212> DNA
<213> Homo sapiens

<400> 107
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tctcacttt tatgactgtc caggagcaag aacgtggcct tctggagttg aggtagaatg 180
ggcaagaat cctctacatc attctattta ctgctccctt gtgtttttaa aacagcttta 240
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aaaaattagc ggggtgtgtg g
                                     321

<210> 108
<211> 1477
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1460)
<223> n equals a,t,g, or c

<400> 108
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gagtgaggga acctgtagtt ttccctctccc cgggccagaa agtagccaaa acgaagagc 120
gcmmgscag gcaataactag cccctctgga gcacggagact ccttcccaaa agacatgaag 180
ctattggaga actcgagctt tgaagccatc aactcacagc tgactctgga gaccggagat 240
gccacatca ttggcaggat tgagagctac tcatgttaaga tggcaggaga cgacaaacac 300
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tccctcagtg acaaagtgcag ccgcaagacc ctcttctacc tgattgccac gctcaatgag 480
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acttaaaaaa aaaaaaaaaa aaaaaawaaa aaaaaaa
                                     1477

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<210> 109
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (834)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (996)
 <223> n equals a,t,g, or c

<400> 109					
gaattcggca	gagggaaatct	gggctctgtg	gaagaatagc	acttatcttg	attctggcct
tgtgccatga	acctaaagca	cattccgtttg	gtctgccagt	aggtctgtat	ggcatgctgt
aacccctata	aattattattt	ctatttatcc	tgctcagtg	gtttccctga	acaaatcgtt
caagaaactc	tggtcccttc	atgaacatat	caagatcgtc	catggatgatg	cagaaaagaa
attttctgtg	gaattttgtg	agaagaaatt	ctataccatg	gctcatgtgc	ggaaacacat
ggttgcacac	acaaaagaca	tgccattaca	tgcgaaacct	gtggaaaatc	attcaaacgc
atatgtcact	caaggtgcac	tccttgacgc	attctrgaga	gaagcccttt	agatgcgaga
actgtgacga	agggtttcag	tacaagtacc	agctacgctc	ccacatgagc	attcatattg
ggcacacaac	gttcatgtgc	cagtgggtgtg	gcaaggattt	caacatgaag	cagtactctg
acgaacactc	gaaacacacac	actggagaga	aaccttttat	ctgtgaaatc	tgtggcaaaa
gcttcaccag	ccgcccacac	atgaagagac	accgcagaac	tcacacagcg	gagaagccct
atccatgtga	tgtgtgtggc	cagcgggtcc	gcttctcgaa	catgcttaag	gccccacaagg
agaagtgtct	tgggtgtgac	agccccgtgg	aatgtgccac	ctgctgtcca	gatcccaactt
acaactctcc	cagccacccc	agttcctctt	gtggtgaaac	cagccacaac	cccnaccctc
caatcaatat	gaatcctgta	agcactcttc	ccctcggggc	atccccacc	cctctctaca
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ctcccgccac	ctccagctct	ctttaagagt	gagccn		

<210> 110
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 110					
ggctgcaccca	cgcgctccgat	ttagacaagc	aaactccaga	taactactct	aagttcacca
gtgtttatag	taactaaagc	agcaacatgc	ataaaattgg	gcactgtctt	atgagtttgt
tttctatttaa	aaaacacaca	tacgatgatt	gcaaaattgaa	atgaaaatttg	ttgtttttcc
ttctctgtct	agcatggata	tcagctgagg	gttttgttggc	tgttttctcat	tcaaaattgaa
tagaaccatt	gtctcttggg	tttcactcgc	tcacaaaaaa	aaaaaaagggc	aaataatgaa
gcgctctag	aggatccag	cttactgtac	cgtggcctag	gaactgtccat	agctctctca
wagtgctcac	cyaaatttyca	attycactgg	gcgctcgttt	taacaaamgtc	gtgaac

<210> 111
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1108)
 <223> n equals a,t,g, or c

<400> 111					
tcgagttttt	tttttttttt	ttttttttatg	tttacaacag	ctttattcatc	aattgccaaa
acttggaacac	caccaagaag	tccttcaata	ggtagaatgga	taaaactatc	atctagacaa
tgaggtatta	ttcagtgcta	aaaaataaatg	cactattaaag	ccatgaaatg	acatggagga
accttaattg	catattatta	agtgaagaa	gccagttctga	aaaggctaca	tactatatga
ttccaatatg	acattctaga	aaaggaagaa	ctatggcgac	agtaaaaagt	ggttgccaaa

gaaagatcat	gtcctttgca	ggaacatgga	tggggctgga	ggccattatc	cttaacaaaac	360
taacatagga	acaggaaaac	aaatatccca	tgttctcaca	agtgaggagt	aaataacatg	420
gacacaaag	aataacatag	tggggcctac	ctgaggggtg	aggggtggaa	aagggacagg	480
accagaaaa	taactattgg	gtactaggct	tagtacctgg	gtcactaaat	aattctgtata	540
acaaaccccc	ttgtcacgag	tttacctgca	catgtaccoc	ctgaacctaa	tttttttttt	600
aaagtgggtg	ccaggggagt	agggagaaga	gggatgaaca	ggtgaagcat	agagaaggtt	660
tagggccagt	aaactattct	gtatgatctc	ataattgtag	atatcatcat	acatttgtct	720
aagcccacac	aatgtacaac	accagagtga	atcttcatgt	aaactatgga	ctttgggtga	780
taatgatgtg	tcmgtgstt	caaaagtgtc	ctctaacatc	tctctatgta	tcocagacct	840
catcatcttc	ttggacaagt	ccctcatggt	ggcctgaatc	tctgggaatc	tcacaagact	900
ttgcatggcc	ttcatcactt	ctgtgtctgt	ctgcaggaaa	ccagccactc	gcaagaccgc	960
gagctgggtc	ttcatcccca	tgagcactga	gttcatgtgt	gctttggagt	catcacagctt	1020
gtcacagccc	ttccttgacc	tgatcatctc	cttgcccgaga	actatgcaga	catcctctctg	1080
gcctctcttg	gcagcatctt	tcacagantc	gtttcacttt	ttctctctct	ctttggatata	1140
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ccagttcttt	ggcggtcttc	ctctgggtct	ttccaaacac	ccccatgacg	aactgaaacc	1260
gtcttgcctc	ttccgggttt	cagtctcccg	cgccacggca	ggtcacgggc	agccgcctcg	1320
gcggggcccg	cggaaaagga	ggtagtccca	acccccagag	tagggagcgg	ctcgtgcc	1380

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<210> 112
<211> 340
<212> DNA
<213> Homo sapiens

<400> 112
tcggcacgag aaaaattttt ttcttggatt caagattcaa agataaaatat ttaagtgttg 60
attgtattac tattggattg gatttgatct tagaacaacg agcatcacact taaatcaagg 120
ctagaaaggt atttttaagt gttacaggat actgtaaaaa catatttcaga tgtttggttt 180
aaaatatagc ctgggagctg gccaaagcaat gcctctcagc aacttggctg taagtgcctt 240
gtataatctt gtcttaggtt tgtcttggtt ttaatgtact tttagatact catctcccat 300
aagatgaaaa agaaatcagt ctacattttt aaatgtttat
340

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<210> 113
<211> 355
<212> DNA
<213> Homo sapiens

<400> 113
cggggtcgac ccacgcgtcc gggaagctac agccagcttg gtaattgaca gccctgaacta 60
tgaccttata ttgtgtcttc cttttccctt atttcaactt ttttcccttc tcagcctgtg 120
tgcccgagaga ttgtaccccc caacaataaa ttaattatca ctaaggtttg ccttgctgta 180
ttcctttggc ggctttggca gcagacgcga gcaggtaatg tgaaccagac accgtgctag 240
gtgtgggaca tcaaatgggt aacaagacag atttttgc ccacctatg cagtttctga 300
cctagtggaga gagacaggcc atatgtctatt aaacaacaat aaaaaaaaaa aaaaa 355

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<210> 114
<211> 427
<212> DNA
<213> Homo sapiens

<400> 114
ggcacgagaa aggagccaca tttcttcttc ttccacctgc atgtcataag gtggtcatgg 60
atatattctt tcatattctt gctaaaaatc tcatgtctgg aagtaacaca agggatataa 120
atttgtataa acaacagtat gatttagttc tcaatataaa taatgcaata taacaaaatg 180
agtccattca actgtgtgcc attcaactat accctaatat atattatttt attgatgtct 240
attcatgtat acattagtgc tgtgcacagt ctagtggata gtgatctggt aaatggataa 300
atgaatgaat ggcctgaagt ttactctctt gaatggatga gggccctctc tagtctattt 360
tcaagcctcy agggcyatga tacakgtttc ctatttccag attttctctt atgttctctc 420
tttatttt
427

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<210> 115
<211> 406

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<400> 116						
ctcgaggaat	tcccgcggga	gcgtcttgcg	ggcagtttgt	ggaaccggag	cttcgagtcc	60
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ctcatcttca	cccaatttcc	gcgggagagc	gttccgaagt	gggtctctct	cggtatcgac	180
tgcccttgaa	gtgcgcagtc	ccctcttgcg	cccccttgcg	tcccgttagt	accctcgtccg	240
ggctgcgctc	gctctgcctc	tatggctgcg	acctatcaga	cggagcgcca	cgggaggagat	300
ggcacacagc	ccaatctcca	ccggactctc	cttgagagtt	ctggagttgt	ctgcgcgagt	360
aagtactgca	atagctcttc	tgatataccc	cttgataccca	agttctatcc	tacacctctc	420
gaccagaaca	ggttctgtca	tgcacaaagc	attctcttgc	agaatacaga	caacatcgac	480
ctctcgactg	agcagacagt	gggggtcaac	atcgatctta	tcaactctga	caacttaccg	540
atcgacacca	atgtttctct	agatccagct	gatgagaaac	ttttggaaga	gatgcgaag	600
gcccaccaca	gtctcaagat	attccagcag	catcgcgaga	tggctctcgc	gattcttcgc	660
acagagtaca	tctccatctg	gttcaacgct	tatggcatct	ctatgatgaa	ctgcgtgaag	720
aagatgtggg	tttctctgaa	gcagcagctt	gagagtgccc	agaatacaat	ctcacagcat	780
agcagatata	cagcatctga	accggtggag	gtcattcgct	tcttccccca	ttttaagagt	840
tacagcatac	catgagtcac	gttgatctct	gactacagcc	cagctcccaa	ggacacagat	900
tggcgaatct	cttgatgtcca	gatgtctcag	gccatagata	gggtgcgatg	ggatgaggaa	1020
tgccgcagct	cgtttggagc	tttctcgcct	tatgaaagaa	cgttgagaaa	acgaagacgg	1080
gggaacacgt	tttggtgcct	ctatgcacca	gatgatgtgt	atgatcacta	aattgtctcg	1140
cagcaggagg	aggagatgga	gaacaaagct	agcaagggct	atgaggaaaa	ctactctctc	1200
gagtaacaat	ggacagtctg	ggttttactac	aatgatgttg	aaacccagggt	cgctccttgt	1260
attcttcgag	ccaaggtcgg	ggttcactga	ggcaccacaa	ccctgcttgt	gtgcacaact	1320

cgggacatga	atgagaagga	actggaagct	caggaggcac	ggaaggccca	gctagaaaaac	1380
cacgaaccgg	aggaggaaga	ggaagagagg	atggagacag	aagagaaaaga	agctggggggc	1440
tcagatgagg	agcagggaaga	gggcagcagc	agt.kagaagg	agggcagtg	agatgagcac	1500
tcgggcagcg	agagtgaacg	ggaggaaggt	gacaggggacg	aggccagtg	caagagtgggc	1560
agtggtgagg	acgagagcag	cgaggatgag	gcccgggctg	cccgtgacaa	agaggagatc	1620
tttgggcagtg	atgctgattc	tgaggacgat	gccgactctg	atgatgagga	caagaggacag	1680
gcccgaagtg	gcagtgacaa	tgattcagac	agcggcagca	atgggggtgg	ccagcggagc	1740
cgagagccaca	gccgcagcgc	cagtcctctc	cccagtgcca	gcgagcactc	ggcccagtgag	1800
gatgggcagtg	aagctgcagc	ttctgatctc	agtgaagctg	ttagtgcagc	tgactgagtc	1860
ccagggcatt	cagggctggg	tcagacacca	ttattgtgag	cagcaaaagca	ctttctctagt	1920
ggctgtgttg	tgagcctttc	actctgtttg	tcgccacccc	caaacctttg	ctgttaataaa	1980
agtcacattc	tyttttaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2040
aaaaaaaaaa	aaagggcggc	cgctctagag	atccaa			2076

<210> 117
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 117						
gaattcggca	cgagggtaga	cctacttttc	aagaaacatt	aaatgtagt	cttttagagaa	60
aaagacagata	atatagatca	gaaactcata	tcaacataac	aaaaggagg	acatcaagaa	120
tgaatatgta	aaagtaaaa	acatttttta	tttgtcttat	tcctaactga	tataacaata	180
actttttcca	aaatagta	aaacactatg	cattcaatta	gatataaatg	tatatatttt	240
tgatgttcta	tgccacaagt	aaatgaatta	tagcaataaa	tataagagat	aagagaaaaa	300
tttgtattta	tgggtatttc	atgccattag	tgaactagta	tagcatattt	gaaagtagtc	360
ttggattcct	tgtaatgc	attgcaaat	atagggcaac	cactaaaaag	attaaaaaaa	420
aaaactcgag	ggggggccgg	taccacaatt	gccctatagt	gagtgtgatt	acaattcact	480
ggccgtcggt	ttaccacgct	gtg				503

<210> 118
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 118						
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cctctgcccc	tcgggggact	ggacacacat	cctgccagag	gcgctacgaa	gctttgccca	120
ggatgaagcca	ggtgggctcc	gcgttcactc	ccactctccc	gaagggtgtg	ggcctcccca	180
ggtgttgctc	tccttacggg	ttagacagag	ttcgaggctc	acctatcagg	cgactctcta	240
ggattgcat	ttctctcttt	gcctgtgggt	ttactttttg	tattttttta	atcaacaagt	300
tgatcaaaaa	tgtttttatc	gtactctttg	gagatgccca	ttctactttt	gaatttagct	360
tttactcaatt	cgcatctgga	agctcagcaa	gtgcacaaag	cttactttgg	ttaccgttga	420
aaccactgcc	acccctcccc	gatgtggtgc	gttcaataaa	aatgctggaa	ttcaaaaaaa	480
aaaaaaaaaa	aaaaaaa					497

<210> 119
 <211> 1106
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (374)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (405)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (864)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (988)
 <223> n equals a,t,g, or c

<400> 119
 ggcacgagct cgtgcgaatt cggcacgagt caacctctca aatacctgga atgacaggca 60
 catgcacaca ctccctgttt agtttttttaa ttttttcatt tttcttagcg attgggtctc 120
 ccttctgcgc ccagggttgt ctgagctccc tgggctcaaa tgatccctct gccctctgctc 180
 cccaagtggt taggatcaca ggcagtgcct actgtgacct gcttaaatca tatcatatc 240
 actaaccagc tatctctggg ytaactata aatatcccg gaaaaartct ttgtttgctg 300
 caaaactgta taaagctgga atcaaatccc agccctgccc ctactaggt tgatctggar 360
 aagtttttaa cctntttgca acttcaaggt ccaccccgag tccnatacta taagataggg 420
 aggacaggtt agctaaaagg aacaaatgga aatacctagt aaagtaactg ataaatatgc 480
 caatgaactg tattcttgtt aataccttta ctgagaatta gtctgcaaga ctgattaata 540
 tccaatgta tggttaatga agaataaagc attctagcaa tctgacatgg gccccctgtg 600
 taaaagggat cgcacacaca gagaaaaaag aagtaatat gggagagaac agggcctttgc 660
 ttaaacagaa cagtatgggc caccagcagc agtgagagac aggtaaggcc tctgtgagcc 720
 ttcagtcgag agtgggtcat aagaaaaatg aaatagtgat caaacccagg agagagaatg 780
 aaaaaccatt tcactctttt aaaagcttct gtttggagta agcccaatgg ggagccatca 840
 gtgtctctga catccatc atcntattat acttccttag ctcaaacacc actcaagaaa 900
 gcacaggaaa tcagaaccac agtgaagat ggatgagaag ctggaaggag aagtgttcag 960
 caatggcaca caattctttg ccttatnta tgtccctgag ctgtgttcag aacagcagca 1020
 atctttctta aaccaaagg atccatgctt ggtatctctt cacagggggac aagcctgcaa 1080
 gcacagatacc atttcctctg taacat 1106

<210> 120
 <211> 625
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (119)
 <223> n equals a,t,g, or c

<400> 120

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aacttaaaag	ggaaacccaaa	aagctgggnag	ctccccaacc	gcgtttggccg	gcccgctcct	120
agaaactttag	tggaaatcccc	cccggggtgc	caggaaaatcc	ggccacgaga	tttttagtag	180
agacatgggt	tcatcatgtt	ggccaggatg	gtctccatct	cttgacctcg	taactctagc	240
actttggggag	gccaaggcgg	gaggatcggt	tgcgtttagg	agttcaaggc	caactagcca	300
acataaatgag	agcaactttgg	aagccccgaag	cggttggaatc	acgaggtcag	gagatagaga	360
ccatctctggs	taacatgggtg	aaactccatc	tctactaaaa	atacaaaaaa	aaattagcca	420
ggcgccgtg	cgggcgccgtg	ttgtctcagy	tactcgagag	gctgaggcag	gagaatggcg	480
tgaacccggg	agggcgagct	tcagtgagc	caagatagcg	ccactgcagt	ccggcctggcg	540
tgaaaaaagc	agactgtctt	gtaatt	aaaaaaaact	cagggggggg	cccggtatccc	600
aattcgacct	atagtggatc					625

<210> 121
 <211> 666
 <212> DNA
 <213> Homo sapiens

<400> 121						60
agacttgcct	acaaaaggaga	ccactaatca	ctagcatgct	gaataaaacat	gaaagttaac	120
ttaaactata	atttacttat	tatcaaaagc	ttatctgctt	ctgctgggtgc	aatgaactct	180
gaatgggaaa	ttgccagtgg	tgaatggtag	ataggtgaa	ggcttcaaga	aagtgtgctc	240
tgtgctttgg	caggagcagg	gctaagctga	gacatgggtc	tagtggtccca	tccatgggct	300
argcaggaat	gggtgggaag	agggcagggg	aggcttcccc	ggggcctgca	gattgtgttc	360
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aaaaaattagc	tgagcatggt	ggctgtgtcc	ttgtgtccca	gctgcttggg	agggctgagcc	600
agagggaattc	cttgaaccca	ggargtggar	gttcagtgga	gcccagatca	agatcacacc	660
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aaaaac						

<210> 122
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (800)
 <223> n equals a,t,g, or c

<400> 122						60
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tttttttctt	ttcttttttt	ttgagacagt	cttgccttgt	tgccagagct	ggagtgccgt	240
gggtcaaatct	ggctctgctg	caacctctgc	cttctggttc	aagcggtttc	cttctctcag	300
ctctctaggt	agctgggag	acgggtgtgc	ggccaccagc	cgaaatgctg	acctttgtgt	360
tagtagagct	gggttttcac	catgttggcc	attgcaggtg	tgccgcgcgc	cgcccgccca	420
ccaccgcgct	gggcttccca	aagtgtctgg	acaaaggtct	gggaccaggg	ggcctccagg	480
ggcttttttt	ttcttagggc	tgtctgggcc	cgtaaataca	cggaacctt	tytgagatgc	540
gacagggatc	ccaagtgcga	tttggggaga	tcaaccacag	agcccaagga	ttccctgatg	600
gggaactgga	acagctgtct	gaagggggta	ctggatctct	tggggtgaca	gagatgggga	660
gtgctctgag	ggcctgcagg	ctgccccag	agcccttagg	ttctctgtga	ctagctagaa	720
gggtggagcat	tgtgttatgt	aagacgttta	gcabctgcag	tgccaaaata	agggctgccc	780
tcttgaaaac	taaaaaaaan	aaaaaaaact	ggaggggggg	cccggtatccc	aatcgccgga	840
cacaacgaca	aaacaatc					857
tatgatcgta						

<210> 123
 <211> 658
 <212> DNA
 <213> Homo sapiens

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<400> 123
gaattcggga cgagaaaaat gacctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc cgggtccacc ctctgggtgg cccacgttgg gcacaaactc cccaactgat 120
gggcctcttg cttcagctat cctccttgcc gcaatttccct gggcaaaagt gcttctctwa 180
ccagatgttg ctgattwccc ctgtggggga aaaaagaaaac ccakgttact gatgctctatc 240
atcccaattt cctctcaacc tctttatata aaggcctctg gaacaaaagag ataaaaagggg 300
attgctcaat ttccagggat cacaacccta gttctcagaa aaaggagarg tctataagag 360
taaaagtcctt agaactcgac agacttgggt tgaagttctg gctctctcac ctattagatg 420
tggtgggttg taagaagttat ttawcwtctt ggggtctcag ttctctcata tgaaaaatgg 480
gaataaggag tctctcatcc caaggtatca tcatgatacc tgctttatat gttgtgtatg 540
aagattaaaa gaagtaatgg gtatgaagtg cttagtatga tctgtctttg taaattaaat 600
tgcttatcat cattaaaaat acctgcctgg agaaaaaaa aaaaaaaa aactcgaag 658

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<210> 124
<211> 709
<212> DNA
<213> Homo sapiens

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<400> 124
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ctctctgccc tgacatgcga ggttagttgg cacaatgctt ytcrgaaaag atggcttcaa 120
gtcccccaag cacctgctga aagtggggga ctgggagtgg agaataagat tttatgcatt 180
tttgtttttt tgattttgtt tgagacagag tctcactctg tcaccagggc tggagtacag 240
tgccatgatt tcagctcact gcagttctct tctcccggtt tcaagcgatt ctcttgctct 300
agcctcctga gtactggga ttacaggcac ctgctaccat gctctgactaa tttttatatt 360
tttagtagag acagagtttc accatgttgg ccaggctggc ctcgaaactcc tgcctcaaaa 420
taactcctagc actttgggag gccaaagaag gcggatcacc tgaggtcagg agttcgagac 480
cagcctggcc agcatgggtg aatgcgcgtct ctactaaaaa tacagaaatt agctgggcat 540
gggtgctgtc acctgtagtc ccagggtactc aggagactga ggcaggaaaaa tcgcttgaac 600
ctgggaggcg gaggtttcag tgagctgaga ttgcgccatt gcactccagc ctagggtacca 660
agggtgaaac tccatctcaa aaaaagaaaa aaaaaaaaaa aaaaactcga 709

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<210> 125
<211> 1572
<212> DNA
<213> Homo sapiens

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```

<220>
<221> SITE
<222> (334)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (475)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1146)
<223> n equals a,t,g, or c

```

```

<400> 125
gaattcggga cgagttcccc tggcctcaaa agaggaatta acacttttgg aggaagggtg 60
agtacagggg tagaatttaa agatactaag taaaatttgg atggaataag gtataaatgm 120
gtaatgccct ataraagaga ttccaagctt ttcaagactt ttgttgraaga ctgggttggg 180
ggaatatgaa ttcttgccac tttctcttga ttgttttccct attctccattc attttctgtc 240
tttttcaggg ttgctctctt ttcccatctc ctaaatgaga gttcttcccg tctctaaatg 300
agaattcttc ccaagctctg ctgacttccct tttnctctct cctctctctt gctacaatgg 360
gtaaaataagt tttagcaagc tttagcacagc ttgtcaatat acaaaaaaat cagcaagaat 420
tctatattct aataatgaaa aattggatgc gaaaagttaa aatagagcag tttanaatat 480
caccaaaggag aaggaaatcc tgaaaataaa atctaataaa atttatgcaa gatctctatg 540
ctgaaaagta cgaaaagactc ataaaagtta tcagtgaagg cacaataaag tggaaaagata 600
tattgtgttc atggactgga agatgcaata tatttaagat gtyagttmaa aaagatctac 660

```


ggatckcaatg	caatctcaat	taaaattcca	taagaatttt	ttatagatat	ccatargcta	720
rtctcaaat	ttacatgaaa	agggcaagag	cccagtatag	ccaaaataac	tttgaataaa	780
gaataaaagt	agaggactta	cattgcctaa	tttttaataca	tactatgaat	cttaactata	840
atataaccta	actataacaa	tcaaggcagg	gtaggactgg	agaaaagatg	catagataga	900
taaatgagac	agagcagaaa	gttcagaaat	aggcgctgag	aaatatgsc	aattgtat	960
tgacaatagt	gtgaaggaaa	ttcagtggag	gaagaacaaa	tttttataat	aaatgtgtgt	1020
ggaaaaattt	aacgttttgc	tatatatgta	tggaaacttca	atctatatc	tttatgtgaa	1080
aaatttcaaaa	tgaattataa	gtctaatttt	aaaatatgaa	actataaaga	ttttaataaa	1140
aacatnagag	aaaaaatatt	ttatgccctt	aggtttaggca	aagagatctt	agataaaga	1200
aacacaccaa	aactatgac	tataraaaaa	raaactgggc	caggccacagt	ggctcatgcc	1260
tatcatcccc	cgtacgttgg	gatgccgagg	tgggcccatt	gcctgagktc	aggagtttga	1320
gatcacccgg	ccaacatggc	gaaccccctg	ctctatgaaa	aatgcaaaaa	ttwcccaggc	1380
gtggtgtgtg	gctcctgtaa	tcccagctac	tcgagaggcc	gagggaaggac	aatcgcttga	1440
atccagaggg	cagaggttgc	agatgacaga	gatcgtgcc	ttgcaactcca	gcctggggcaa	1500
cagagccaga	ctccatctca	aaaaaaaaaa	aaaaaaaaaa	actcggagggg	gggcccggta	1560
cccaattcgc	cg					1572

<210> 126

<211> 376

<212> DNA

<213> Homo sapiens

<400> 126

atggaaatgg	agtggtgtta	tamccnaacc	aaaaatgtgt	gcatcgctt	agcagtcagg	60
tagcagatga	tagtgaagct	gtaccagag	gctggaaaagg	tggcaattca	tgttatgcag	120
catcaacaga	tgcaataacc	tggaaaggag	atcttatatt	acctcctgag	cctgtggctc	180
taaggggaaat	gggtggaaaag	agagttaggt	attggaatgt	gtttgcagtt	attgctaaat	240
ttggctagca	ttataataag	tggatgagtt	caagagaaaa	ctgaccagct	tatgaaaaata	300
aagaaaaaggt	aataagagccc	agcaatatag	ggttttgaaa	tgttacaaaa	attaacatct	360
tctacgcccc	aagggg					376

<210> 127

<211> 920

<212> DNA

<213> Homo sapiens

<400> 127

cccccgggct	gcaggaattc	ggcacgagct	ggagtcctat	cccctaggat	gggggtgagg	60
agtatcactc	tgtgggggtt	cacagcaccc	tggatcctgc	cttccagccc	ctgccaaagt	120
aaacagtgct	gcctgcctcc	tgtggggaat	gcaggatggg	gcaatgccct	ggcagcagg	180
tcttgctctca	gctgatgcac	ctgtggctgc	tcctgtgtgc	acagatcatg	tgccctggaag	240
ccctcctgca	gcaggggcagt	gtcagaaaag	ggaagagtag	tgtagagcag	ttccccgggg	300
aaagcctctg	tgagcaactg	accttgagca	agcactgcaag	atggcccttg	ttcctgccgg	360
gctcctccag	ctggggagctc	acctatctag	acaaacttgg	gtcccgctgt	taacctgctg	420
acctccccct	acaaatgagc	cagcctttag	ctctacgcac	tgggtggaggc	aggggaggag	480
ggcaggggaa	gacgcctgcc	agccccatg	gagcctagtc	aacagggtgt	gttccctgct	540
agaaaccacac	aaatagagca	aagatgtgag	ctaataatct	ggtaggtgtc	atgggggctt	600
ggtcacaggg	tcagagctgg	tcagggaggg	agatactggg	tcgccactcc	ttacgtgtcc	660
acctgctctc	ctgtctcttt	acctctcctc	attctgtctg	acctgaggaa	aatgcaaggg	720
aggctaggcg	tagtggctca	ggcctgtcat	cccaacactt	tggtgagact	agggtgggaga	780
atcactctgag	cttaggagtt	tgagaccagc	ctagggaaca	tagtgagact	ttcgtctcta	840
caaaaaaaaa	aaaaaaaaaa					900

<210> 128

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (331)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (752)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (795)
 <223> n equals a,t,g, or c

<400> 128
 aattcggcac gaggtttagtc tggcaaggaa agcagcaaga gaggagtgtc aggcaggtat 60
 ctggaccatga caccacgtgg gcacctgtct atattgtggaa ttccctccca gatcatctct 120
 gcttctcaaa tgtctccaca gctttcttgg ccatacaagg caattccctt cattccagaa 180
 aagcctagtc ttacggaata tgcaatggaa tgaaaagata taactcactg caaagaactc 240
 agctgtgtct tcttgccttg cgcaraaktaa ctgtttcagc ctcaagcagc tgcagcttat 300
 cctcttgata cctcgttgca tccaagagcc nacaggaatt gaggcctgag ataacgatag 360
 cgttgaactc ttacgagaca tttcctggaa cttcttgaga tgaagagaaa acaagaaaaa 420
 taactctgag ctatagcact tggccagatg ttatttatca gccctgggga ttacttaat 480
 gtctagtctg taactctggt ttagtggtct gtgtgaaaga agtctcttct atgcaccaag 540
 gatttcaatc aggttaatga ctagaaaatg acaaaaatcc tcaagctagg attcctccaa 600
 gamccagtgc aaatatctcc tccaagcaaa tgtgamaacc ccaactcccca ccactccctg 660
 ccactcttc aaaaccctca acagcttttg aaagtgtccc accttggcct gaatggccac 720
 cctttataac acttgtccac tttgcacact tngttttaat tcccacccta tcttagaatt 780
 aataaagctc ccttnagg 798

<210> 129
 <211> 614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (612)
 <223> n equals a,t,g, or c

<400> 129
 agggcgcgcc ccgggttccc gttccccgag gagccatgag gtacaacgag aaggagctgc 60
 agctctgttc ccggcagccg gccagatagg ccgccagact gggcatgagg ggcaccaaga 120
 agggcackga cgaaggccag ccctcggagg cctctctgct ggagcgctgc agagctgtcc 180
 gggaagagcc gggcaccttc tccatcagct tcattgagga ccttgagagg aagatcact 240
 ttgagtgca cagcgaggag cagtgtcagg agtggaatgga ggctctcgt cggggcagct 300
 acgagttcat gcggagaagc ctcatcttct acaggaacga aatccggaag gtgacgggca 360
 aggacccccc ggaacagttc ggcataatcc aggaggccag gttccagctg agtggcttgc 420
 agcggtgagc gcagggcagc ttggtcagcg tgcagcggga cgggactggc cctgccagc 480
 catgaatcgc ttggccatgc ctggatctgt tttgttttgg tttttgtgtt ttgggtcaag 540
 gtttcaactgt gttgccccag cttagagtga gtggtgccac agctcactgt gaccttgacc 600
 tttctgactc antt 614

<210> 130
 <211> 994
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (292)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (381)
 <223> n equals a,t,g, or c

<400> 130
 gccggagcag aggccgcgcg gcagtgctgg catgtgggtg ggcggtggta aggaaggcgg 60
 tggatgagga tgcagggagc agatgggctg cgttgccaggc tgggccccta tggccctcaa 120
 taggttttgt ggtcaacatg ctctgtggag ttacaacaag caatgggtggc ctaaacacat 180
 atattcattt ataggtccat aaatctgcac tcatagagat aaatgagtaa tccccagggt 240
 gaaggagaaac tgggaagagac atctggagcca ggtccaccct tggccagggt tnaaccttgac 300
 tcggcgctcac cactagcgac tgggtttttt ctctctccct ctctccctgac caagaaatac 360
 aacaattctg ttatgatata nacttgctcat gatccgaat tgaagagcaa ccatatattt 420
 atttggcaag ataaatacac acattcttca cataagatta gtacgcacca gtctctaaaa 480
 gcatatattg tcaattattt gccaaaacaa aatacatgcc cacatgttat agatgggaaa 540
 gatgagggccc agagctcggg tgcattgctg aggtcaccaca attagtgagat ggtgggtgctg 600
 gcactctctg ctgggctgct tcaacttgct acacactctc caactccatgc aggcgcgacc 660
 tctctggggc ctgagcagggt ttatccacca gcttagtctc actagtacc agcacactca 720
 ctctgtgaaa gacactgcac cgtgatctgt aggggtctaaa gctaggggtc catgtcaat 780
 acagaatggc acttttcaca gaaagagagg acagatgctg catgctgtgt ctcaegtgtc 840
 attctgaacc cccacactcc ggctgtgagta ccaaatgtgt atgagcattg atggagcaca 900
 cagtgtacc tgaattctca agacgcagga ctgtgtctga gctgccataa cagaatacca 960
 tatcaggtag ctgacaaaaa aaaaaaaaaa taata 994

<210> 131
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 131
 tcagagttgt tgctttacag aagtgaiaaaa agtattgaca ttcttaagcc cagaactatt 60
 ttttaacaag ctagaaaata taggaiaaaa aaaaaacggg tagaacatgt ttctcaagag 120
 aatgcagtggt agctagaagt tacactattt tttccagc atgtatttgg gtaaaatatg 180
 tgcactgaaa tttcaggcca aatcctaagt cagaataat cccaaatatg gagatttata 240
 agctaggcaa tttttattta ttgtctaagt tagattccct taagagctca aatgttctac 300
 tttttactct tgggtctctc ttgaaaagac ttacctgtaa ggtctcagca gcgtaaaaat 360
 ccaagctgca aatctgtctg aattcagcat ttgccataat ctcttttgc catcaactca 420
 ggttggtttg gaattgactt gccactgtac ctgttttgta attawaawtc acaattaaat 480
 ggcagtagaaa ataaaycagc atgtctgcag gcttggagcc tccactctct gtgttatctt 540
 ccttttattt gaggatctga aagaaaatta gaaagaaagg tttgagtatc taaagtcttc 600
 cattcaaaagc tttacctccc ttagttttgg gactctcttt caactctgtt tggatctctc 660
 tttcaaaagg aaattaagca tgtaccattg tcagctctgtg tgattttacac tgaggagtag 720
 agatgttgtt gattctctcg tgcgaattc 750

<210> 132
 <211> 537
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (511)
 <223> n equals a,t,g, or c

<400> 132
 agctgaagag tgggggaagg gaacgtagac ctagagaggg gaattcttac agaaatcttc 60
 ttttttttgt cctctctatt ttccagtctc cggcagcctc ttggtcatga aagccctcac 120
 atgtctggct tcgcctctct tctgcctctc gctgatcaac gggttagggg cagcacccttc 180
 tggctgcctc gaggcgagc tctctctctc agctctgagc ataaagagcc gtagccggg 240
 gacgcagtgc ccggggcaaa ggaatggcagc gcccagagg tccgaggcgc tcggaattcc 300
 gagccgcaga ccgagggaga gcttttccag ggcctggatc ccggggcgct ggcgcgggtg 360
 ctgctgcagg cactcgaccg tcccgcctca ccccgccac caagcggctc ccagcagggg 420
 ccggagaaag aagcagctga agctctgctg accgagacgc tgcgcagcga gaccacagg 480
 ctcccggcgc cggagagccc ggagcccgcg ngttccgctc cgcctcaga actccgg 537

<210> 133
 <211> 701

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<212> DNA
<213> Homo sapiens

<400> 133
aattcggcac gagatgagaa ccactgcctt gtgacctcca gtagaatgag gccccagtgt      60
tgactgcact ggaagaagtcc aggagcttgt taaaagtcca gatagactga ttcccaccca      120
gaattggacac cgaagaaatct tggatcccaa gagtttgggtt ggccttatca tgcccccttag      180
tcatttctga gtgtgtccctc atactctgca tccatgtgat gagaggcaaa ttctctcatg      240
atctgtcttg cttcctcctc aaagctactat gccccaccat tgctggctct gcttatgtgt      300
gctgcaatgt aggcagcgct gtttcttgtt ctaccactt ttaactatct taaaatagaa      360
cctgactctg attctccatt aagaagtggg aactggctgg gtgtcgtggc tcatgtctgt      420
aatccccgca ctttggcctc ctatctgagg ctaaaagcagg gggatcacta gagggcagga      480
gtttgagact agcctgggca acatagtggg accctgtctc tatcaaaat taaaaagt      540
agctggcgct ggtggtgcac acctgtcctc tgagctctca gctacttggt aggcctgggc      600
aggaggaccg cttgagctgt gatcatgccca ctgcagtcca gcttgagtga cagcacaaga      660
ccctgtcaca aaaaaaaaaa aaaaaaaaaa aaaaaactcg a
                                     701

<210> 134
<211> 866
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (847)
<223> n equals a,t,g, or c

<400> 134
cgaattgggt gccggggcccn cctctgagtt tttttttttt ttttttaaat gaacagagat      60
ggtgagttct ttattttacaa ttattgtcta gataaaaaaa ttcatataaaa cagatgaatg      120
gtcataaatt -atttaccccc taatggagtg aactgccaaa cgtaccccat gctgctagat      180
ataggacgca gagtgcaacg tttatgtact acagtgagtt ttgacaaaac aaccattctg      240
tgtgtgtgtg tggttatgtg tgcaagtgtg tgcaagtgtg ggtgcatgtg tgcgaagcatc      300
cttcattctc gacaagagaa gaccaacgct aatgttgggg attcttccat cgctcccctgt      360
tccttaagcc agggntcccac tgaggaaacc ctccgtggct craatgaaca tgggagcatg      420
gggttgcaaa cacagctatc ctgagtcat ggaacgggt caccggacaca tgactgatca      480
aagaagtggg gagaatggaaa actgtgagaa aggaaactcc aaaaaaaccc atgttccaa      540
gctgccccat gttttacacg tgcagatctt tccttctctg taggagagca gtgggctggc      600
tttgggtggc tttgtactgg aatccaataa gcacatctga gggctgtgtc ccccttttgt      660
tatgcagtc cttctctgga tacattcaga gatactctt caygacatc aggttgatgcg      720
ctcttgagg ttctctctcc agggagattt tgccagttgg gatgggtgtg ctttgaaccc      780
caaaccctca agttttttca ccgccatcca gatgtaggcc ctcccagttg actwtggtat      840
tggggcncga tgggttaaga ttgttt
                                     866

<210> 135
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (504)
<223> n equals a,t,g, or c

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```

<400> 135
gaattcggca cgagggcact cagagcccaa tgaggaagaa agacacatga ctggctggca      60
aagccctatt gtgaggggca cggaggggaag gggcggggagg accccgggtc ggctgctggg      120
tggccctcgtg gtacagagac ctaaggggtg ggaaggaggc cctcaggagg gagcagaggc      180
ctgtaccga cagggtgggt ggccctcat ccaccatgt cctctcctgg agcctcagtc      240
tgtccatctg tcaaatgggc agagggacag caccatctca tggagctgtc gtcggggctg      300
caggctgtga atctgaaggc tggcacatg ggaggtcctc acgaggatga sattcttcgc      360
tgtgtgtcgt agttttccca gcagagggaa gcgtgcagar gcgcaggaga gcctggtgtg      420
ctggaggaac agacgtgtgg tcggggggct ggaggcacgg gctgtgaagt gaggtagggg      480
ttgagggtca ggttttctgt gganagcctt gacttctgtc tcacagggga aaaccagagt      540
ccttcaagca gggagtgtgact ggagtcctcaa ttgggttctt caattatcag ggaggagggt      600
gagctytagg ggttgccagg gagatggggg tytacccgtg tgggtgcagg gcttctgtga      660
actgttytgg aggtt                                     674

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<210> 136
<211> 509
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (43)
<223> n equals a,t,g, or c

```

```

<400> 136
atgtgagttt agctcaactc aattaggcca cccaaggct ttnacacttt atgcttcogg      60
ctcgtatggt ttgtggaaat tgtgaacgga taacaatttc acacaggaaa cagctatgac      120
catgattacg ccaagctcga aattaacctt cactaaaggg acaaaaagct ggagctccac      180
cgcggtggcg gccgctctag aactagtggg tccccggggc tgcaggaatt cggcacgagt      240
caccacgtgc tgagtctgt gcatggcgct gtgtgtcttc aatgaacagc cggcgaatgc      300
aggaagaagg cgaggaacac tgaystwcac ggtgggcgga gaaggagcag ccaaatgggg      360
atgtgtcacc tgttgttcca tgtcgttcta ctggtttctc tgtttccatc tcaggctgca      420
ggcttcgtgt ggatgaggat ggcacctttc ctgttcactg acagatactc agtgcttagc      480
acagtcctcg ggacacagga ggtgctcga                                     509

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```

<210> 137
<211> 437
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (414)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (434)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (435)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (436)
<223> n equals a,t,g, or c

```

```

<400> 137
gaattcggca cgagggcagga ggtaattagg aggtgttggg taccagggag ggaggctgga      60
gggtccagg gtatatggcc ttggagggtt gggcaggtaa gacggatggg gagaggaggg      120
aaggaggagg gagaactcaa tggctcgggt gcgaaccact tgtggaggga tggggagggg      180

```

cagattttgag	gacaggctgg	ggactgggca	ttctttgttt	ggatgtggct	ggcgggggct	240
gctctttgct	ccccggcatg	aaccagctct	tggtctggcc	cagctcctcc	cacctctcca	300
tgtaactgag	ccttgtcctc	cagccagacc	cttgccccgg	cttttcaggc	atcccagctc	360
agccttttacc	gggatgggct	ggagctgttc	tcagcacagg	tctcggggct	cccnaggggc	420
tgctggagca	aacnnnc					437

<210> 138
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (297)
 <223> n equals a,t,g, or c

<400> 138						
tggaggtgga	gtcctggaca	ctttcggtct	tggcagctgt	gtcttgatct	gagccccaa	60
catgaactgg	aggctctgca	gcccttggga	gatgggggct	cagggaggac	ccccgaaga	120
acccctcttc	tatgtggctt	tggtgttatt	ccacggctgg	tgctcaggaa	gccctatca	180
agaagaagcg	ccccctgtg	aaggaggagg	acctgaagg	ggcccgagga	aacctgacca	240
agaacaggga	aatcaagtcc	aagacctacc	aggtcatgcg	agagtgtgag	caagctngct	300
cgcccgcccc	gtcgtgttcc	agccgcaccc	gcacaggta	cgagactgtc	tttgagaagc	360
ccaaagccgg	acccaccaag	agtgctcttc	gctgagaagt	gtgcccact	ccccctgctg	420
ccgcaatgct	cggaacacag	agccttacc	aggaactctt	ttttatgcca	gaacgcttcc	480
ttccccctgc	tgtctctggg	gctgccaccc	tcccccacag	cccaggccct	tcagccaagg	540
ctctgcacca	gcaccttgga	agcaccaata	aagaggatgc	ccacgtggcc	ccagca	596

<210> 139
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (352)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (378)
 <223> n equals a,t,g, or c

<400> 139						
ctttctgggt	ttagggaagt	gggtggacaag	gcaggagaga	accacattca	tcttctctcc	60
ttgtgtttgt	cttctgtctt	tcaataacgt	ccatgaactg	tgagggttagt	gtcttggctg	120
agagataagt	awggctkggc	atkgattctt	ytgtkgtwac	ctcaagctgt	tttctagtcc	180
ccaaagaacag	caytytcagt	gggtgtggaa	gtgggcggga	catgaagcaa	tggttttaca	240
ttgcattgccc	tggctacags	tgggcatctc	tttctctttt	ctttttcttt	gcgtcattgc	300
catttggtgcc	actaattttg	cttccccctyt	cttttataaa	cttgtttccct	cnggagttgc	360
ctaagagctcc	tgcatnanaa	cctaatttggg	aatgaagcag	tgtgttcc		407

<210> 140
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 140

<210>	143
<211>	313
<212>	DNA

<213> Homo sapiens

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<400> 143
tcgggcacgag ggatgggggtc tttgagtga catgcctatt cctgtttgtt agttttccct 60
ctgacagtca gcccccctctg ctgccagtat actgggtgtt gctggagggt cactcctgac 120
cccgtttgcc tgggtatcac tagtggaggc tgcagaacac caaagattgc tgccctctgt 180
ttcctctgga agctttgtcc cagaggggca cctgccagat gccagccaga ctctctctgt 240
aggaggtgtc tgtcagcctc tactggggaga tgtctcccat tcaggatata taggggtcag 300
ggaccactc gag 313

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<210> 144

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (359)

<223> n equals a,t,g, or c

<400> 144

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gacatttttg actgcttatt aatatgtgtc tttttttatg gtttctttat aaaagttcca 60
acacctctat ctttctctta ttgcttatct tacaaaaatg ggaacaattt gcagaatat 120
aatatcatgt cttaagtatt gccctaaatg gtttgtggga tattacttga tattcacctt 180
cttggataga taagattcat cattggcagc aaataattaa aggtaaaaaa aaaatgccta 240
agattaacaa ttttctaatt ttaaagaata gaaaaaaggc caggtgtggg ggttcacgcc 300
tataatccca gaactttggg gagggccgagg aggggtgggat ccccgagcn cangggttnc 360
cagaccaccc agggcaac 378

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<210> 145

<211> 1548

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1538)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1542)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1545)
 <223> n equals a,t,g, or c

<400> 145
 aggggcccnc tggacatgga cggcctggag gtggtggacc tggaggacgg gaaggacaga 60
 gacctccatg ttgagcatcaa gaacgccttc cggctgcacc gtggcgccac agggggacagc 120
 cactcgtctg gcaccagaaa gcctgagcag aagcagcgct ggctcaaggc ctttgccagg 180
 gagaggagc agatgcagct gascaggag acaggcttct ccatactga actgcagagg 240
 aagcaggcca tegtgaatgc cagcaagcag caggtcacag ggaagcccaa agctgttgcc 300
 cggcctctgt acctgacgct ccagaagcac ccagccctgc ccagcaaccg gccccagcag 360
 caggtcctgg tegtggcgga gccaggggcg aagcatncta ccttctggca cagcatcagc 420
 cggctggcac ccttccgcaa gtgaactggt cctgacctga cagcacctgc tgggccttcc 480
 tgccagtgcc cccagtttt tcttcccga ggccactcg gcttggcctt cctctgcctg 540
 caagtraga gggatgggct ggggagttgc ttgtgccacc aagacgtgcc aggtctgtac 600
 tctgtttgtc tttttccctg ctctgtgtgc cctgaagaga ccagcaargg ggagacaccc 660
 gcactcgcca caccgcccgt gcagcttggg ccactccgcc tctggacctg ttaggggctt 720
 cactgttgga ggggggaaac scagctcagc ccaggccmag ctggggagaa ggccgtamct 780
 cggctgggac ccttctctg gaaacctaat cctcctttca ttctctctgg gcaggactct 840
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 tgcactcgcc tgcatactcc cagtcgggag tegtgtcagt ctgctctgct ctgtgcggta 1140
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 caaacaatgt agaaaaagaa ttgatttcta gtgacacaga agatttgcct acgctcgtga 1260
 gcgctgagaag ccataaagaa gagaccgaat tctgtggctc agcacacagg actgcaccca 1320
 agcccgagga gggggtgtgt ggagatggcg cctgtctcgt ccaagggggc ccaggagcag 1380
 agccaggccc tggcgagctg cgttggagcc acagggattc acagtcactc atgtcactc 1440
 ttgcactatt ccttctccaa gccagaaccc acatttaatt tcataataaa atttatgaaa 1500
 agtaaaaaaa aaaaaaaaaa gggcgggccc tctagagnaa cnagnagaa 1548

<210> 146
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (31)
 <223> n equals a,t,g, or c

<400> 146
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 gaaattaac ctactaaag ggaacaaaag ctggagctcc acccggtgtg cgccgcctct 120
 agaactagt gatccccgg gctgcaggaa ttccgcagca gatgcatatc tcaatacctt 180
 gaacgtgtat catttctttg ttcttaggaac attccaaatt ttctcttcta gctatttttc 240
 aaatatataa cacattattg ttaactatgg taccctact gtgctatcaa acactagaat 300
 gtatttcttc tatctaaact tatttttctg ttactactc cccagagccc cagcttcttg 360
 taccatttca tcttttacct cctcga

<210> 147
 <211> 452

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<220>
<221> SITE
<222> (445)
<223> n equals a,t,g, or c
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<210> 148
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> n equals a,t,g, or c
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<210> 149
<211> 1753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (129)
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (1746)
<223> n equals a,t,g, or c
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<400> 149
tccaccaga cccactctgg atcccattca aagaggtggc agtgaccctc atttaccaac 60
tcgcagaagg ccccgaaagt atctgtgcc agatattgca gggctgtgca aaacaggccc 120

tggagaagnt	agaagagaag	agaaccagtc	aggaggacc	gaagagtc	ccgcaatgct	180
ccccacttct	ctgttgatga	acctgctgtc	ccctggctggg	gatgtggctc	tgccagcagct	240
ggctccacttg	gagcaggcag	tgagtgaggag	gctctgccgg	cgccgagttc	tcggggaaga	300
acaggagcac	aagaccaaa	atcccaaggag	gaagaatacg	agctctcgaga	ccaccatgga	360
ggaggagcgtg	gggctgggtg	gggcaacagc	agatgacaca	gaggcgagaac	taatccgtgg	420
catctgcgag	atggaaactgt	tggatggcaa	acagacactg	gtgcctcttg	ttccactctt	480
gcttaaaagt	tgtaacaacc	caggcctcta	tagcaaccca	gacctctctg	cagctgcttc	540
acttgccctt	ggcaagtctt	gcatgatcag	tgccactttc	tgcgactccc	agctctgctc	600
tctgttcacc	atgctggaaa	agctctccat	tcgccattgtc	cggtctcaacc	tcattggttgc	660
cactggggat	ctggccatcc	ctcttcccaa	tctgggtggac	ccctggactc	ctcatctgta	720
tgctcgctct	cgggaccctg	ctcagcaagt	gcggaaaaca	gcggggctgg	tgatgaccca	780
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caaggggcaac	gcaatctata	atctccttcc	agatatcctc	agccgctgtg	cagaccocga	960
gctgggggtg	gaggaagagc	ctttccacac	catcatgaaa	cagctcctct	cccatcatcc	1020
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aactgacggg	cacagcgaga	ctctggcctac	tgtgtgtcac	agctgccccct	ccagagcgga	1140
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atcttcagtg	cttttttgtc	agttgtgggc	aagctgcgac	gtggggccaa	gcctgagggg	1260
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ggaattcaagg	agcttgagat	tggccaagca	ggtagccaga	gagcgccatc	agccaaagaaa	1380
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acaccagagc	ccccccgtac	taccctgtcg	catccaaaca	cccagcagcg	agcttccaaa	1500
aagaaaccga	aagtgtgtctt	ctcaagtgtg	gagttccagt	aggaagatct	ttcagcagag	1560
atgacagaag	acgagacacc	caagaaaaac	actcccatc	tcagagcacc	ggctgcgagg	1620
acagatctct	aggaagtctg	ttcctgtctc	ccctgtcgag	gggtactcgt	aggggtgacct	1680
ggaattcgaa	ttctgttttc	cttgtaaaat	atttgtctgt	ctcttttttaa	aaaaaaaaaa	1740
agggcngggc	act					1753

<210> 150
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 150						
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ctattgctaa	tgctagagac	tgtgcacaca	catttccaac	aatgaaactg	gaaaactatt	120
tatttgaag	cttttcttta	attatagtgt	tttggctctc	aagtaaatgt	tctgaggttt	180
gcagaaaagt	aaaacaaata	gtagga				206

<210> 151
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (227)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (230)
 <223> n equals a,t,g, or c

<400> 151						
ctgtggcctc	aacatatatc	tctgtaagag	tcccctgggc	ctaccataaa	aaaaggacc	60
caaaactggg	gacttgaagc	agcagaaaata	agattctctg	cttgbtggag	aggccagaag	120
gctggaaagg	aggggtccct	gggtgtgatt	gctttctgaa	acatgatgg	catattcatt	180
tcattgcctt	ctcttttttt	tttttttttt	ttgggggagg	gggaaanatin	cccccc	235

<210> 152
 <211> 1921

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1906)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1907)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1912)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1921)
<223> n equals a,t,g, or c

<400> 152
gcgacgcgaa ggttgctcggg atccgcggca gcagcggctg cttgagatct gtttctgggg 60
cctctgcggg tggcgccctg gggcgccgag acggctgggt ccgaggtaca ctgatctctga 120
agtactatga gctctcgga cttgtggaga gactacaaag ttttggtgtg tatgggtccct 180
ttagttgggc tcatacattt ggggtggtag agaatacaaaa gcagccctgt tttccaaata 240
cctaaaaacg acgacatttc tgagcaagat agtctgggac tttcaaatct tcagaagagc 300
caaaatccagg ggaagttagca ggtttgcaat cttcaggtaa agaagcagct ttgaatctga 360
gcttcataatc gaaagaagag atgaaaaata ccagttggat tagaaaagac tggcttcttg 420
tagctgggat atcttccata ggtgtccatc ttggaacata ctttttgcag aggtctgcaa 480
agcagctctgt aaaatttcag tctcaagca acaaaaagag tattgaagag tgaagtaaaa 540
taaatattttg gaattactaa tttgtcatta aatcatttcta tgcgtattag ctctcaataa 600
attgaacttt ttgattttat agccacaagt ctgcattatc atactttaat tctcaagaa 660
taattttttaa tgttaaaaacg tgataatgca ataaatagaa aaatgtgggt tacaataata 720
aaacggtcttc cactagttag cactgtgaagt aagatgtctc gtttggagac taagaagcca 780
tcatttgtgta agagtgaacc actgacaact gagagagtca ggaccacact ttctgtctgt 840
aaaagaattg taacatcatg ctatggcccc tcaggtaggc tgaagcagct gcacaatggc 900
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ggcttgacac caccactgt cattagatta aataaaacatc ttttgagctt ttgctcatgt 1140
tatctcaagt ctgagacctg tgggtgtgca atccagtggt acttttagtag tactcagatc 1200
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gaaacagaga atgtcagctgc tttgatcctg agagcctttt tgcctacaat tcagaaaaat 1320
gctgaaggcc acatcatctt aggaagaggt ttaattgtac ctttaaaaag tcaaaagagt 1380
atagattcca ctgtattacc tgggatactc attgaaatgt cagaagtcca attaatgagg 1440
ctattaccata tcaaaaaatc aactgccttc aagggtggcac tcttttgcac aactttatcc 1500
ggagacacat ctgacactgg agaaggaact gtggtgggtc gttatggggt ttctcttgaa 1560
aatgcagctt tggaccagct ggttaacctc ggaaggcagc taatcagtag ccacgttagat 1620
cttgcctcgt gccaaaaagt tatacatcca tctttgaagc agtttctcaa tatgcatcgt 1680
attatttccca tagacagaat tggagtgact ctgatggaaac cctgcactaa aatgacagga 1740
acacagacctg ttggatccct aggcctcaata tgcctcaata gttatggag tgtgaaagat 1800
ggtgacactg caaaaatttg cctccaaacat ttttttcac twaattccta tgaagcaaca 1860
attctgcagct tgcttctcgt caacagaaat gagggtgttt cccggnnact tncctaaaaa 1920
n 1921

<210> 153
<211> 2273
<212> DNA
<213> Homo sapiens

<220>
<221> SITE

<222> (146)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1087)
 <223> n equals a,t,g, or c

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<400> 153
agctgactga agccttcaaa tacttccctgc agtcatggga tacattgcgt acttgaagga      60
ccgaagctga gtggaggagc agtgccctca gccagcatga cccgcctggc acgctcccgc      120
actgcataccc tcaccagctgc cagctnccgt ggatggcagc cgcacacagg cctgcaccca      180
ctcagagagc agcgaggggc tggggccaggt caaccacacc atggaggtgt cctgttgaag      240
cccttgatcc cgctgacgac gcccacgtcg aggccccacc gccatccttg cgcgggctca      300
tgttcccttt agtttatttt tgtgagggca aaggggaggga aatgggggttc tgtttgaaaa      360
aaatgagggg atcttagatg ctgcagcaga acagtctcca ggtgttttaa ggggctcagt      420
ctctctcaat ccatactcaat ctccgtggtt acttagccaa cttgacccct ctcatcccac      480
tcccggcgcc ccaggcacag aaggggcagg ccataggggag ggagattcgc tacggatcca      540
ggycattcct ggggtgagccc ttgggcaggg catgttttga gatgagagag gcttcygaga      600
ggtggggtgct ggggcacagg ggtcgggggc cagctcaggc cagctcaggc actggcgtag gaggcctggg      660
agaccctctc cccacacctc caccaaagcac acctgtttct cagccacttt cctgtgtgtc      720
atcatcttga caacagccac aagggggcgcc tcgggaccgg caggcagggg cgtcaagggg ttcttytgcc      780
ctctggggcca gctgtgtgct tagggccacg caggcagggg gcaaggaaacc ccaacagagt tcccttccag      840
caaggaagac gaacatctga gaacctctag caattctgag ccaaggcctc cccgaggcag      900
cccaactctt gccacctctt ggcctctgct cccacagtga cctgactggg ggtgagggag aaggaggaga      960
aagttgctgt gtctctctgt cccacagtga cctgactggg ggtgagggag aaggaggaga      1020
gagcccatgt gtggtgtgtg tgccccctgag aacttygtgg tgactgcctt tgggagcccg      1080
cagtggncca gaggcagggg tagctgagtt cctggagacc ccttttttgc cccaggttcc      1140
ctcagagggg aacgccatca gtacagtggt ggtgtttcag gcagagctct cccaggtctg      1200
ggcagagagg gtttctacag atcaactaagg aagagagagt ttattttagt aactggccca      1260
gctgaaggtt ctggacatga acaagggtca ggtagaagag aaaggcttcc cctacacccc      1320
agcctctctg tgtccccctga agcccaggac tgcgttgtat tcttccatc cactcacctt      1380
accctatagc atctctggccc ccagaaacca gagccatttg tctcagacc taaatacaata      1440
atcaacaacc ccaaaacggg agagagcagt gaaaacatgc agggcgctgg acggggggaag      1500
ggttgtggcg gtgtgttctga ggctgagagg acacctatat gccgtatttc tctacacaca      1560
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gtttcacccc ctcatgtgct tcttctgaat actgaatgtg actgtttgaa agctgtgtaga      1680
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tgtcatgaga tgataaaaat taataacaaa cttcattcaa cgtagaaaaga gttaaactgtg      1980
ctgaaaaact aataaagAAC cttaaagaaga ttccagtgct gtgatgccat gcccatcatg      2040
ggaggctttt ggagaaacag aatgttttgg caggggctgc ttgtgtcgtc tgggttttgg      2100
gttgaggggt ctaggagagg atgggtctca cccatctttc tatttccagt acacgtcaca      2160
ttattttacc ggtgagatga gaatgtcaca aacattaaaa gccttatgtg ctc      2273

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<210> 154
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (962)
 <223> n equals a,t,g, or c

<400> 154
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tttctcttag	aatagattct	taaaagtggg	ggccagggtgc	ggtggtctac	acctataatc	120
cagacacctt	gggaggccga	ggtggccaga	tcattgaggt	caggagtctt	aaaccagcct	180
ggccaacatg	gtgaaacccc	gtctctacta	aaaatacaaa	aattagccag	gtgtgtgggg	240
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aagcagaggt	tgcattggg	gggatcacgc	cactgcactc	cagcctgggt	gacagcaaga	360
ctccattctaa	gaaaacaaaa	aaaaaaagta	cgatttgggt	gccagagtga	acacaaaaat	420
taaaagacttt	tgtattttgt	agancctttt	gaagcatgct	atctccccag	ctamaccctc	480
ttcaggtgct	cttttctctg	ctctctctgct	tttcaaaact	tggtctgtgg	ttccaggctc	540
aagcagggac	atcagtragg	actggggaga	agactttrac	tgggacatga	ctgaagaggga	600
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ccctcaggag	ggctccctgt	ctgtgtgtgag	gtgacaggtg	gtgggaaagg	agctggagct	780
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ggatagagg	tcaagttctt	gaccttagct	ctgtatcaaaa	attgctctgag	aaactgtcta	900
agaaaaacaga	tgtcatgctg	agcacgggtg	ctcacacctg	taatcccaac	actttggggag	960
gnccaagggt	ggaggattgc	ttaggcgag	gagttcaaga	ccagcctggc	caatatagtg	1020
agacccatt	tctgtttttg	aaaaaaaaaa	aaaaagggcg	gcc		1063

<210> 155
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 155						
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aaggaggccc	aagttgcagg	ccgggttttg	aggaggtttg	agatgaagcg	aatggatctc	120
ggcttctctg	acaaagcagg	tcgctgcacc	tacctgaagg	gtaaactgag	gcattctcaag	180
actcagatcg	agaaattcga	tgaccaagga	gacagcgagg	gctccgtgta	cttctcagtg	240
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ctcagctttt	ctctcttgag	ctccccctac	cagggtgtgc	tttctctctg	attgcaaatg	360
ctctctcagt	ttggaactcag	ctctgacagc	ccctctctca	ggaaggcctt	ccaggacttc	420
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aagttagggc	tgctctccat					500

<210> 156
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (635)
 <223> n equals a,t,g, or c

<400> 156						
gaattccaga	gaagaataac	ccgcagccca	aagggcagaa	gaagaagaag	atcgctcaagt	60
acggcatcgg	tgccctcatc	atcctcttcc	tcactgceat	catctggttc	ccgctgctct	120
tcattgtcgt	ggtgcgctcc	gtgggttggg	ttgtcaacca	gcccatcgat	gtccaccgtca	180
ccctcaagct	ggcgggctat	gagccgctgt	tcaccatgag	gcgccagcag	ccgtccatca	240
tcctctctac	ggcccaaggc	tatgaggagc	tgtcccgcga	gtttgaaccc	cagccgctgg	300
ccatgcagtt	catcagccag	tacagccctg	aggacatcgt	cacggcgagc	attgagggtga	360
gctccggggc	gctgtggcgc	atcagtcctc	ccagccgtgc	ccagatgaag	cgggastcta	420
caacggcgac	gcgcagcata	ccctgcgctt	ccactggaa	ttccagaggc	acctggcgaa	480
gggagggcact	gtggagatga	ccaacagagaa	gcacatgctg	gccttgcccc	caacagcact	540
gcacggcgcc	agtgcccgag	gtgctcgagg	gcacctcgga	ccagtctgtg	gtcatcccca	600
atctcttctcc	caagtacatc	cgtgccccca	cggnnccgca	agccaacctc	gtgaagcagc	660
tgagagcccaa	tgaggaggcc	gactacctcg	cggttgcgtat	cagactgtgg	aggagagcag	720
gtgcgggggg	caccggcttt	cctcgaatgg	tggtgtcatcg	agctcgagga	gtgcgggaac	780
gactgcgaac	tgtttgccca	tggtcatctt	aagtgaaacaa	ggctcagccca	ccagcgctcg	840
gmttctctg	tgrctamggg	tgagtgagtg	gctggggggg	ca		882

<210> 157
 <211> 1278

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1243)
<223> n equals a,t,g, or c

<400> 157
ggcacgaggg ataatggagg ctactataaa aattgaatga gaaagtcagt gagatgcact 60
gttttaatttc ctttctggct ctttcaactgt ttctttttgt ttgtttntt ccccttttct 120
tgccaaataaa aaattattgt tgagtaactc asgcctactg tacaaagtaa caattctctc 180
ctccctttcc atcttcttcc tctccagtyc tactttctgar aaagtaatcc ttaataacag 240
tttgggtgtg atccaaaaaa gcttttttgt agcattatc tccaaagtgt ttgaagcatt 300
tcttctgata aagtttcttt agtcttttagc cagaactagt ctttggccca cttagtctat 360
tgataaacag gaaatagcac atattccccc cttgaggsta gaatggcagg cctaaaaatga 420
gtaggagaaat tctgagaaat ggaactttaa aaaaggcggc aaccttctag ttctattctc 480
agaaaatacca aagcagcatt ttctctggac ttgttctgca gacgcctcag atttgaaagc 540
catttctagc ctttggagat taccactgtc ctccagccaaa ctgcaggagc tcttaagtag 600
atcagagctc ctggaaacttt ctcatctttt cagcatctca acctgtgga atcttttaac 660
tcccaaggta agtacagatt gtccagagag atctaagcca tgcctatcca atggaatgga 720
gagctcttca aagagacctc ataactctaa gatgaagtag acactttagg tctacacttt 780
ttccagatcat acccaactta ggcaagagag gatgaagtag acactttagg tctacacttt 840
taataaataa gtgaaataga caatgagagg agctgttctc tagactgtac tcaacttgtta 900
gctgaggcca gggatgtagg actcaagccc agaggaacct ggctgggctg agagaaagag 960
atgtagaggg ttctcatagt tctggggaac aaaccttcag ataagacaag tgagagact 1020
tgggaggaaag ggatnctgt gaagattctc tttttttttt gagacaggtt ctcaactctt 1080
gcgccaggct gtctgtcagt ggtgcgatca caactcaact cagctctcag ctccaggggc 1140
tcaaaaggat ctccgtcttc agcctttgaa agtgcgggga ctacaggcac tgagcgtgag 1200
ggtgcctggc taattttttt cgtttctgta gagaggaagt ctngctagat tgaccagctc 1260
agtgggcaat cctgcaaa 1278

<210> 158
<211> 325
<212> DNA
<213> Homo sapiens

<400> 158
aattcggcac gagaattagt tcattttcaa tcccagaaca catggaggga atcggacagg 60
tgatgccagc agttctctgt cctctgtcag ggaagccagg cacagccac agagcatggt 120
ccatccagag ttgtccctga gccccctcca ccatactgga accctcttc agtgtaggaa 180
gtctgaaatg ggtgctaatt ccttcttcca ttgaaaccagg gccctcttc ttcatctaat 240
gcagccactc ctagggtgaag aagtgggaat aattggaaat aaacaacagt tctaaaactt 300
caaaaaaaaa aaaaaaaaaa aaaaa 325

<210> 159
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (492)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (861)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (903)
 <223> n equals a,t,g, or c

<400> 159	tngaaaaaaa	tccggctcgt	atgtttgtgtg	gaattgtgtg	cggataacaa	tttcacacag	60
	gaaacagcta	tgaccatgat	tacgccaagc	tatttaggtg	acactataga	atactcaagc	120
	tatgcatcaa	gcttgggtacc	gagctcggat	ccactagtaa	cggccgccag	tgtgctggaa	180
	ttcggcttgc	caccaacgag	ttcatcctsa	gcctgacagc	caagctggat	gagaatgaat	240
	ggggctctgt	gaggcatctt	gcagctccct	cgaacaatgct	ctgcccgtac	actctgttct	300
	cgtggttctt	gtctcctctt	ctgtgtttac	aggggtgggc	agctgctaca	gcccttgctt	360
	cttcctcag	tgccctcag	tgacagagat	gaagaagcca	cttgctctaca	ggaagtgtgg	420
	cctggctttg	atatgggttg	gctttgtgtc	cccacctaaa	tctcatctgg	gaattgtta	480
	cccccatgtg	tnagacggaa	ggaggtgatt	ggatcatgga	ggcaktttcc	cccaagctgt	540
	tctcatgata	gtgagtgagt	tctcaccaga	tctgatggtt	ttataaggtt	atggaagctt	600
	cctcctttac	tcactcttct	ctctcttgtc	gccttgtgaa	gaaggtgact	gcttccccct	660
	ctgcccagat	tctagatttc	ctgagggctc	ccctgcacat	cgggaactgta	agtccatcaa	720
	agtcctcttg	ttataaaatt	accagctytc	aggtattttt	ttatagcagt	gtaagnatga	780
	actaatcacg	tgtgagaact	aatacaggca	caggatgaac	acgttgggtg	caagccgaat	840
	tctgcagata	tccatcacac	nggcggccgc	tcgagcatgc	atctagaggg	cccaattcgc	900
	canatggtga	tcgtatta					918

<210> 160
 <211> 320
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (313)
 <223> n equals a,t,g, or c

<400> 160	gaattcggca	cgagctcaac	ctcaggaagt	cagtcctctg	gagccatgaa	gtgcagcaat	60
	gacaggccca	tctggagaag	acatgacggc	tgggtctgca	ggacysagmt	arctcaggag	120
	cagattttggg	gatggcaatc	agatgctgtt	cttctacctc	aaatgcctgt	atccttatct	180
	tcttctamctg	gacagttctt	ctttcatcat	ccmagatcca	gttccttctc	gcccttctct	240
	aagagggctt	tcatggacct	tttccctggg	gttattgcca	tcataggcca	ttccatggaa	300
	ttttttttta	aanggcattt					320

<210> 161
 <211> 1339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (151)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (385)
 <223> n equals a,t,g, or c

```

<400> 161
gcggaacgtg gggctgaccc acgcgtccgt attactgcac tgtctgtaac tggttgggtga 60
aggactccat caacttttyt gatcacatla atggaagaa acatcagaga aacctgggca 120
tgtctatcgc tgtggaacgt tccaccctgg natcaggtga agaaacgttt tgaggctcaac 180
aagaagaaga tggagaagaa gcagaaggat tatgaatttt gaaggaaagg atgaaggagc 240
tcagagaaga ggaggaaaag gccaaagcgt acaagaaaga gaaacagaag gagaagaaaa 300
ggagggctga ggaggacttg acattttagg aggacgatga gatggcagct gtgaatgggc 360
ttctytggct ttggttccac caagnaagag ttactgaggc ttctgtgct tggcctgact 420
ttggcctatg ctggaccctaa ctttgctgtg gtgtgtgtgt agtagggggt catctctctt 480
tgggtaatgg gaaagtctct aagagtgtca atggggaggg atagaggggt ggggctcatg 540
gtttccctct actttggggg agggcacaga ttgcagaggt aatgctgtgg cataltgctt 600
ctgctccagt gtatcactgg agtcacagga ccctgcccac ctgagttccc aataaagaaa 660
aacctccctc tctgaggctg ctttcccaaa actccccctg catctttatc tcttcatcta 720
tcccactctc tgtctgaaca tcccactctt atcctgtgtt agtttccagt tgattgcata 780
actcatgttc atctcgcaac aagaagcattc tctaggctcc agtctccagt tgattgcata 840
tccctgatca gccctttttc ccatcctgcc ctatgggtct catgaattcg tcatatagag 900
gtgtatttct gccctggttc atggtgtgtg gatgtgtgtg cctgatgttc ttgcttccct 960
ggggtccgag ctggaatcct agagcaltgc tgccttgggg tgggtgtttg gctctgatgag 1020
cagagcatgt aacaggaaat taaatgggat gagtgttttg ttgtgttttg gctctgatgag 1080
tttttaaca ttacaggtga gatgttltca gcttctcttg ttctatttct ctgaagattt 1140
atgttttttg ctacccttgg acaggcgttt tgggaagaacc ttgtttgatc aaaaagaaaa 1200
atgaaaaaca aaacaaaaaa tcccacaaac ctattattgg gagcctctgg tcttagaagc 1260
tgtttgacat gtataataaa tggcattgac tgggctctgt ttacatttgg tgagaacatt 1320
caaaaaaa aaacaaaaaa

```

<210> 162
 <211> 562
 <212> DNA
 <213> Homo sapiens

```

<400> 162
gaattcccg gtygaccac gcgtccgcc acgcgtccgg tctcgaamtc ctgacctcag 60
gtgactccgc caactcggcc tcccaaagt ttgggtattc aggcatagga caccgcgccc 120
ggcgtttttt ttcttttttt ttcttttcag gaattttggc tgggcatggt ggctcatgcc 180
tgtgatccca ggtgctttgg aagccgaggg aggaggattg cttaggccca ccagttcaag 240
accagcctgg gcmacatgat gagacctgt atctacaaaa aattaaaaaa ttgaccaggg 300
ggctggacaa ggtggctcac gccctgaatt ctagcacttt gggaggccaa ggtggggcag 360
tcacctgaga tcgaragttc aaraccagct tgamcaacat graraaaccc tgtctctact 420
aaaaatacaa aattarctgg gcgtgtgtgg gcattcctgt aatcccagct acctgggagg 480
ctgaggcagg agaatacctt gaaccgggga tgcagaagtt cggtgagacc aagatcatgc 540
cgtgtcactc cagcttgggt aa

```

<210> 163
 <211> 352
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (347)
 <223> n equals a,t,g, or c

```

<400> 163
ttctgggaa gtccctcccc tattttrtag tggccctga aatactactt ggtatttcta 60
aacaatgtc tgtggtttgc cttccaagga cttaaatgta ggcttactcg gctgaaraat 120
tttgtaara atgctcacgt tagtgtcttt tgtctttctc ttgctcttgt tagagtctat 180

```

```

gatttagagg atgtatgctt ggctgtggaa tatctcggag ctgaagagaa gaaggccagg 240
tcttagcaty ctttctatat aaatgttttc ataccttacc ccattttcaa tatggtagay 300
cctyctccac catacakgtt tctctcaatt ttaggaatgt gtttcnccea aa 352

```

```

<210> 164
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (3)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (559)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (592)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (645)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (649)
<223> n equals a,t,g, or c

```

```

<400> 164
agnctgggaa ctgtggatcc aaggctgccc ccaccccctg ggtctcgtc acatctgcac 60
tcccagagg grcaggtggt cctggagcct agcctaacctg ccgagagtca gaggtggctg 120
caggggaaac atggcagccc tctttctcac actcatcctg ggcaccctcg accagcagaa 180
gggtttacat gtacaatcac ccacccctag ccccttctgg ggaggggaa ccatcttacc 240
ggatggcgac cttgaggctc agggagggtta aggtgccagc ctgagatcac acagccagtg 300
agagggcagag acaggggctta aactccagac gatggctcca gagccccctc tcttttccat 360
gcctgggctg cctttttccc artgcacctt gcttttttga accagatgac caatgtggaa 420
agacatgaac tgattcaatc agagtgtatg gagaagggac ttatataccc tggatttttt 480
aaagctccct gtctctagta aaaatacaaa aattagccag gcgtagtggc aggcgcctgt 540
aatcccagct actccagang ctgaggcagg agaattgctt gaacctggga antggaggtt 600
gccgtgagcc agatcatgcc actgcactcc acctgggcaa caaantgana ctctgactcc 660

```

```

<210> 165
<211> 452
<212> DNA
<213> Homo sapiens

```

```

<400> 165
gaattcggga cgaggagccc ttggccagct ctgagacgct ttgtgagacc ccaaggtggg 60
tgttctagaa ggaagaagct ttggcttgct tactggaacc aagacaaaaa ttccaaataa 120
aattccaagt aaaaatgtaa atcaggtttt ttcctgatgt gtccagagaa ctctgttgaa 180
tatgttaagt ttccagaagg cgattctttt cctagcaabg ggcgtcttgc ctgtcatccc 240
tcaaggcctg tctgtgcctt tccatctctg atccttccac aaggctctga gtggctgtag 300
gacctcata tgacaggagg aggaggtcga ccttggccaa ggtcacatat ccttctttt 360
atccattcga aaggctcttg ctgttgactg actatgcagc agacatagct gggccctggg 420
gagatgtgca aggcaaacac acccaagaga tt 452

```

```

<210> 166

```

<211> 573
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (231)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (559)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (565)
 <223> n equals a,t,g, or c

<400> 166
 ctcaagtgtat cctccttgcc ctcagcttgc gcttagcggr gatcacakgc atgagccgcc 60
 acacccggcc atcacacctg gattttcagt gggagggttt tggtttgag acatccaaag 120
 cctgaagcca ggtgggtgtg ggcaggggct gcattttatg aaactgccca gcaagctgcg 180
 ctccctgggg cccagggatc cacttaactg gcttkgcacc tgggtgccag ntgcgtctgc 240
 cgccaggata tgcgccttcc cacaggtgcc ctgcctgagt tgtgtgcac caggggcctg 300
 gtgagccccc aggctgggtgg catggccccc ctgcccctg ctgaatgaat gtacagagcc 360
 agacaaagct gtgaatggcc taggggctga gtcccacacc agctgtgaat tctcctgcag 420
 acaggagggc cctggctgtg caccctgggga agtgggtgcc ctggggccag ggtgcttgtt 480
 ctgttcaaat aaaggtacct cttttccaca ctgaaaaaaa aaaaaaaaaa aactcggggg 540
 ggggcccgtt acccatttng cctctntagt ggt 573

<210> 167
 <211> 320
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (305)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (317)
 <223> n equals a,t,g, or c

<400> 167
 gaattcggca cgagtcacca cgtgctgagt gctgtgcagt gcgctgtgtg tcttcaatga 60
 acagccggcg aatgcaggaa gaaggcgagg aacactgacc ttcattggtg gcggagaagg 120
 agcacccaaa tggggatgtg tcacctgtgt gtccatgtcg gtctactggt ttctctgttt 180
 ccattctcag ctgcaggctt cgtgtggatg aggatggcac ctttctgttt caactgcaga 240
 tactcagtgc ctagcacagt gcctgggaca caggagggtg tcgtaggggg ggttcgggta 300
 cccantcgct cctgatnatg 320

<210> 168
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 168
 ggttaagggtt aaggcacttt taaaaactat agcaaggctc ctgtttattt atttactttt 60
 ctttccctaa taatcaaaaac accgcgtagg ctctccggtt tatcagtatt aatggtgtaa 120
 ctttgttggc aatatattgccc gtgtagaatt ttttttagat atccattgta aatttgaaac 180
 aaagaccgat ctgtgtaaaa acaaaatttc atatgtttta tataaatata tatataatat 240

```

gaaggactac cctccctttt tttttgttat tttggctgct agagtgcagc atttgtgaca 300
cgtaattgaa atttgaaatt tcctctcgca ctgtataaaa ggaccatttg aggtatgtttt 360
gcctttttgtg tattttttcc taaaaaaaga acaaaaaataa aaatgtataa catttgtataa 420
aaaaaaaaat a 431

```

```

<210> 169
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (158)
<223> n equals a,t,g, or c

```

```

<400> 169
tttttttatg gttcttttat aaaagttcca acacctctat ctttctctta ttgcttatct 60
tacaanaatgt ggaacaattt gcagaatatt aatatcatgt cttaagtatt gccttaaatg 120
gtttgtggga tattacttga ttttcacctt ctgtatanat aa 162

```

```

<210> 170
<211> 1274
<212> DNA
<213> Homo sapiens

```

```

<400> 170
tttgatcctg agagcctttt tgcttacaat tccagaaaaa gctgaaggcc acatcatttt 60
aggaagaagat ttaattgtac cttttaaagg tcaagaagtt atagattcca ctgtattacc 120
tgggataactc attgaaatgt cagaagttca attaatgagg ctattaccta tcaaaaaatc 180
aactgccttc aaggtggcac tcttttgtac aactttatcc ggagacacct ctgacactgg 240
agaaggaaact tgggtgggtc gttatgggtg ccacgttagat cttgtccctg gccaaaaagt 300
gcttaacctc ggaaggccag taatcagtga ccacgttagat cttgtccctg gccaaaaagt 360
tatacatcca tctttgaagc agttttctcaa tatgcategt attattgccg tagacagaat 420
tggagtgaact ctgatggaac cctgtactaa aatgacagga acacagccta ttggatccct 480
aggetcaata tgtcctaata gttatggaag tgtgaaagat gtgtgcactg caaaatttgg 540
ctccaaacat tttttctcat ttatctctaa tgggaagcac aatctgcagc ttgtctctct 600
gcaacagaaa tgacaactgc tgggatgagc tgaagctcac gtgtcagacg gcaactgcagt 660
tctgtcagtt aacactcaag gaaccatggg ctttgttggg agtgggtgct actgaaactc 720
atttgtctgc atatatcaga cacaagactc acaacgaccg agaaagcatt ctcaaagatg 780
atgaaatgtac tcaaacagaa cttcaattaa ttgctgaagc attttgcagt gccctagaat 840
ctgttgtgtg ctcttttagaa catgatggag gtgaaattct cactgacatg aagtatggac 900
acctttggctc agttcaggca gattctccct gtgtgtctaa ctggccagat ttgctttcac 960
agtgtggctg tggattatac aatagccagg aagaactcaa ctggtctttc ttaagaagca 1020
cacgtctgcc attttggcca caaagctgcc ttccactatg agctgtgggc tcagccagca 1080
acctgacctt ggactgtttt actgcaaaag cttagtggcc acaggtggct gttagagacag 1140
caaatttgat ttgtgatctt tcatatgtta ttgaagataa aaactaagag aatagcatgt 1200
tcgtattaca agagaaacaa ataaactagt ctgttggcaa ttgagaaaaa aaaaaaaaaa 1260
aaaaaaaaac tcga 1274

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```

<210> 171
<211> 192
<212> PRT
<213> Homo sapiens

```

```

<400> 171
Met Ser Gln Gln Lys Cys Ile Val Ile Phe Ala Leu Val Cys Cys Phe
1 5 10 15
Ala Ile Leu Val Ala Leu Ile Phe Ser Ala Val Asp Ile Met Gly Glu
20 25 30
Asp Glu Asp Gly Leu Ser Glu Lys Asn Cys Gln Asn Lys Cys Arg Ile
35 40 45

```

Ala Leu Val Glu Asn Ile Pro Glu Gly Leu Asn Tyr Ser Glu Asn Ala
 50 55 60
 Pro Phe His Leu Ser Leu Phe Gln Gly Trp Met Asn Leu Leu Asn Met
 65 70 75 80
 Ala Lys Lys Ser Val Asp Ile Val Ser Ser His Trp Asp Leu Asn His
 85 90 95
 Thr His Pro Ser Ala Cys Gln Gly Gln Arg Leu Phe Glu Lys Leu Leu
 100 105 110
 Gln Leu Thr Ser Gln Asn Ile Glu Ile Lys Leu Val Ser Asp Val Thr
 115 120 125
 Ala Asp Ser Lys Val Leu Glu Ala Leu Lys Leu Lys Gly Ala Glu Val
 130 135 140
 Thr Tyr Met Asn Met Thr Ala Tyr Asn Lys Gly Arg Leu Gln Ser Ser
 145 150 155 160
 Phe Trp Ile Val Asp Lys Gln His Val Tyr Ile Gly Ser Ala Gly Leu
 165 170 175
 Asp Trp Gln Ser Leu Gly Gln Val His Ile Leu Leu Tyr Ser Cys Lys
 180 185 190

 <210> 172
 <211> 262
 <212> PRT
 <213> Homo sapiens

 <400> 172
 Met Gln Lys Leu Glu Leu Asn His Ser Glu Leu Ile Gln Gln Ser Gln
 1 5 10 15
 Val Leu Trp Arg Met Ile Ala Glu Leu Lys Glu Arg Ser Gln Arg Pro
 20 25 30
 Val Arg Trp Met Leu Gln Asp Ile Gln Glu Val Leu Asn Arg Ser Lys
 35 40 45
 Ser Trp Ser Leu Gln Gln Pro Glu Pro Ile Ser Leu Glu Leu Lys Thr
 50 55 60
 Asp Cys Arg Val Leu Gly Leu Arg Glu Ile Leu Lys Thr Tyr Ala Ala
 65 70 75 80
 Asp Val Arg Leu Asp Pro Asp Thr Ala Tyr Ser Arg Leu Ile Val Ser
 85 90 95
 Glu Asp Arg Lys Arg Val His Tyr Gly Asp Thr Asn Gln Lys Leu Pro
 100 105 110
 Asp Asn Pro Glu Arg Phe Tyr Arg Tyr Asn Ile Val Leu Gly Ser Gln
 115 120 125
 Cys Ile Ser Ser Gly Arg His Tyr Trp Glu Val Glu Val Gly Asp Arg
 130 135 140
 Ser Glu Trp Gly Leu Gly Val Cys Lys Gln Asn Val Asp Arg Lys Glu

145 150 155 160
 Val Val Tyr Leu Ser Pro His Tyr Gly Phe Trp Val Ile Arg Leu Arg
 165 170 175
 Lys Gly Asn Glu Tyr Arg Ala Gly Thr Asp Glu Tyr Pro Ile Leu Ser
 180 185 190
 Leu Pro Val Pro Pro Arg Arg Val Gly Ile Phe Val Asp Tyr Glu Ala
 195 200 205
 His Asp Ile Ser Phe Tyr Asn Val Thr Asp Cys Gly Ser His Ile Phe
 210 215 220
 Thr Phe Pro Arg Tyr Pro Phe Pro Gly Arg Leu Leu Pro Tyr Phe Ser
 225 230 235 240
 Pro Cys Tyr Ser Ile Gly Thr Asn Asn Thr Ala Pro Leu Ala Ile Cys
 245 250 255
 Ser Leu Asp Gly Glu Asp
 260

<210> 173

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 173

Met Arg Phe Ala Val Val Phe Leu Met Gln Phe Pro Thr Ser Leu Gln
 1 5 10 15

Met Pro Phe Asp Ile Trp Gln His Phe Met Pro Leu Pro Leu Ser Val
 20 25 30

Phe Ile Leu Val Phe Ser Pro Phe Ser His Xaa Leu Gly Ser Leu Leu
 35 40 45

Gln Ser Arg Phe Ser Asp Phe Arg Phe Phe Ser Leu Cys Pro Phe Pro
 50 55 60

Leu Cys Pro Val Thr Arg Ser Thr Phe Trp His Arg Pro Ile Ser Gln
 65 70 75 80

Phe Pro Leu Ser Gln Val Gln Gln His Leu Lys Asp Ile Tyr Lys Arg
 85 90 95

Asp Thr

<210> 174

<211> 116

<212> PRT

<213> Homo sapiens

<400> 174

Met Arg Pro Phe Leu Thr Ile Pro Leu Asn Ile Ala Leu Phe Phe Cys
 1 5 10 15

Thr Asp Pro Thr Pro Val Ala Leu Phe His Phe Ser Pro Glu Arg Leu
 20 25 30
 Pro Pro Phe Thr Leu Leu Gln Asn Ser Leu Asp Phe His Ile Thr Ser
 35 40 45
 Leu Pro Val Cys His Leu Ser Pro Pro Leu Glu Cys Gln Leu Gln Glu
 50 55 60
 Gly Arg Asp Leu Gly Leu Cys Val His Cys Cys Val Pro Met Met Gln
 65 70 75 80
 Gln Arg Val Leu Ser Lys Cys Leu Leu Ser Asp Cys Ile Asn Glu Trp
 85 90 95
 Val Lys Cys Ile Gly Ile Lys Asn Met Gly Met Lys Pro Gly Val Val
 100 105 110
 Gly Ser Cys Leu
 115

<210> 175
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Leu His Leu Lys Leu Trp Ser Phe Pro Val Ile Ser Val Phe Gly
 1 5 10 15
 Val Val Leu Phe Phe Phe Leu Gln Glu Leu Leu Gln Glu Glu Arg Thr
 20 25 30
 Met Ser Ser Thr Leu Glu Gly Ala Met Gly Thr Lys Gln Asn Ser Glu
 35 40 45
 Ala Pro Ser Thr Ile
 50

<210> 176
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 176
 Met Leu Ser Pro Gln Leu His Pro Leu Gln Val Pro Leu Pro Cys Leu
 1 5 10 15
 Leu Leu Leu Phe Thr Leu Trp Leu Val Val Pro Gly Ser Ser Thr Asp
 20 25 30
 Ile Ser Glu Asp Trp Glu Lys Asp Phe Asp Leu Asp Met Thr Glu Glu
 35 40 45
 Glu Val Gln Met Ala Leu Ser Lys Val Asp Ala Ser Gly Glu Val Ser
 50 55 60
 Gly Pro Gly Gly Ser Glu Gly Ser Glu Pro Asn Gly Pro Gly Cys Glu
 65 70 75 80
 Ser Ser Pro Gln Pro Ala Gln Leu Ser Pro Gln Glu Gly Pro Cys Ser
 85 90 95
 Cys Leu Arg

<210> 177
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 177
 Met His Pro Ala Ala Phe Pro Leu Pro Val Val Val Ala Ala Val Leu
 1 5 10
 Trp Gly Ala Ala Pro Thr Arg Gly Leu Ile Arg Ala Thr Ser Asp His
 20 25 30
 Asn Ala Ser Met Asp Phe Ala Asp Leu Pro Ala Leu Phe Gly Ala Thr
 35 40 45
 Leu Ser Gln Glu Gly Leu Gln Gly Phe Leu Val Glu Ala His Pro Asp
 50 55 60
 Asn Ala Cys Ser Pro Ile Ala Pro Pro Xaa Pro Ala Pro Val Asn Gly
 65 70 75 80
 Ser Val Phe Ile Ala Leu Leu Xaa Arg Phe Asp Xaa Asn Phe Xaa Leu
 85 90 95
 Lys Val Leu Asn Ala Gln Lys Ala Gly Tyr Gly Ala Ala Val Val His
 100 105 110
 Asn Val Asn Ser Asn Glu Leu Leu Asn Met Val Leu
 115 120

<210> 178
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 178
 Met Ala Trp Arg Val Trp Cys Leu Trp Gly Ile Pro Pro Leu Phe Cys
 1 5 10 15
 Ser Pro Gly Thr Leu Ser Cys Val Cys Val Ser Phe Leu Ser Pro Gly
 20 25 30

Asn Gly Met Ala Ser Glu His His Pro Arg Ser Ile Phe Pro Leu Gln
35 40 45

Asn Asp Val Ser Ser His Val Cys Phe Cys
50 55

<210> 179
<211> 264
<212> PRT
<213> Homo sapiens

<400> 179
Met His Asn Pro Asp Gly Ser Ala Ser Pro Thr Ala Asp Pro Gly Ser
1 5 10 15
Glu Leu Gln Thr Leu Gly Gln Ala Ala Arg Arg Pro Pro Pro Arg
20 25 30
Ala Gly His Asp Ala Pro Arg Arg Thr Arg Pro Ser Ala Arg Lys Pro
35 40 45
Leu Ser Cys Phe Ser Arg Arg Pro Met Pro Thr Arg Glu Pro Pro Lys
50 55 60
Thr Arg Gly Ser Arg Gly His Leu His Thr His Pro Pro Gly Pro Gly
65 70 75 80
Pro Pro Leu Gln Gly Leu Ala Pro Arg Gly Leu Lys Thr Ser Ala Pro
85 90 95
Arg Pro Pro Cys Gln Pro Gln Pro Gly Pro His Lys Ala Lys Thr Lys
100 105 110
Lys Ile Val Phe Glu Asp Glu Leu Leu Ser Gln Ala Leu Gly Ala
115 120 125
Lys Lys Pro Ile Gly Ala Ile Pro Lys Gly His Lys Pro Arg Pro His
130 135 140
Pro Val Pro Asp Tyr Glu Leu Lys Tyr Pro Pro Val Ser Ser Glu Arg
145 150 155 160
Glu Arg Ser Arg Tyr Val Ala Val Phe Gln Asp Gln Tyr Gly Glu Phe
165 170 175
Leu Glu Leu Gln His Glu Val Gly Cys Ala Gln Ala Lys Leu Arg Gln
180 185 190
Leu Glu Ala Leu Leu Ser Ser Leu Pro Pro Pro Gln Ser Gln Lys Glu
195 200 205
Ala Gln Val Ala Ala Arg Val Trp Arg Glu Phe Glu Met Lys Arg Met
210 215 220
Asp Pro Gly Phe Leu Asp Lys Gln Ala Arg Cys His Tyr Leu Lys Gly
225 230 235 240
Lys Leu Arg His Leu Lys Thr Gln Ile Gln Lys Phe Asp Asp Gln Gly
245 250 255
Asp Ser Glu Gly Ser Val Tyr Phe
260

<210> 180

<211> 379
 <212> PRT
 <213> Homo sapiens

<400> 180

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Met Pro Thr Ser Ser Ser Ser Asn Ala Ala Glu Arg Gln Arg Arg Asn
 1          5          10          15

Thr Arg Ser Pro Lys Gly Gln Lys Lys Lys Ile Val Lys Tyr Gly
      20          25          30

Met Gly Gly Leu Ile Ile Leu Phe Leu Ile Ala Ile Ile Trp Phe Pro
 35          40          45

Leu Leu Phe Met Ser Leu Val Arg Ser Val Val Gly Val Val Asn Gln
 50          55          60

Pro Ile Asp Val Thr Val Thr Leu Lys Leu Gly Gly Tyr Glu Pro Leu
 65          70          75

Phe Thr Met Ser Ala Gln Gln Pro Ser Ile Ile Pro Phe Thr Ala Gln
 85          90          95

Ala Tyr Glu Glu Leu Ser Arg Gln Phe Asp Pro Gln Pro Leu Ala Met
100          105          110

Gln Phe Ile Ser Gln Tyr Ser Pro Glu Asp Ile Val Thr Ala Gln Ile
115          120          125

Glu Gly Ser Ser Gly Ala Leu Trp Arg Ile Ser Pro Pro Ser Arg Ala
130          135          140

Gln Met Lys Arg Glu Leu Tyr Asn Gly Thr Ala Asp Ile Thr Leu Arg
145          150          155

Phe Thr Trp Asn Phe Gln Arg Asp Leu Ala Lys Gly Gly Thr Val Glu
165          170          175

Tyr Ala Asn Glu Lys His Met Leu Ala Leu Ala Pro Asn Ser Thr Ala
180          185          190

Arg Arg Gln Leu Ala Ser Leu Leu Glu Gly Thr Ser Asp Gln Ser Val
195          200          205

Val Ile Pro Asn Leu Phe Pro Lys Tyr Ile Arg Ala Pro Asn Gly Pro
210          215          220

Glu Ala Asn Pro Val Lys Gln Leu Gln Pro Asn Glu Glu Ala Asp Tyr
225          230          235

Leu Gly Val Arg Ile Gln Leu Arg Arg Glu Gln Gly Ala Gly Ala Thr
245          250          255

Gly Phe Leu Glu Trp Trp Val Ile Glu Leu Gln Glu Cys Arg Thr Asp
260          265          270

Cys Asn Leu Leu Pro Met Val Ile Phe Ser Asp Lys Val Ser Pro Pro
275          280          285

Ser Leu Gly Phe Leu Ala Gly Tyr Gly Ile Met Gly Leu Tyr Val Ser
290          295          300

Ile Val Leu Val Ile Gly Lys Phe Val Arg Gly Phe Phe Ser Glu Ile
305          310          315          320

Ser His Ser Ile Met Phe Glu Glu Leu Pro Cys Val Asp Arg Ile Leu

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325 330 335
 Lys Leu Cys Gln Asp Ile Phe Leu Val Arg Glu Thr Arg Glu Leu Glu
 340 345 350
 Leu Glu Glu Glu Leu Tyr Ala Lys Leu Ile Phe Leu Tyr Arg Ser Pro
 355 360 365
 Glu Thr Met Ile Lys Trp Thr Arg Glu Lys Glu
 370 375

<210> 181
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 181
 Met Phe Gly Ser Arg Gly Leu Leu Cys Met Cys Val Phe Phe Phe Asn
 1 5 10 15
 Ile Leu Ala Ser Gln Cys Lys Val Ile Ser Ser Gly Gly Met Leu Cys
 20 25 30
 Cys Arg Thr Pro Thr Leu Leu Asp Tyr Leu Arg Gln His Phe Leu
 35 40 45

<210> 182
 <211> 238
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (142)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (167)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (192)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (212)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (233)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 182

Met Arg Leu Arg Phe Trp Leu Leu Ile Trp Leu Leu Leu Gly Phe Ile
1 5 10 15

Ser His Gln Pro Thr Pro Val Ser Phe Leu Lys Thr Ile Phe Trp Ser
20 25 30

Arg Asn Gly His Asp Arg Ser Arg Asp Val Gln Gln Arg Ala Arg Arg
35 40 45

Ser Asn Arg Xaa Arg Gln Xaa Gly Ile Lys Ile Gly Leu Glu Asp Ile
50 55 60

Cys Thr Leu Trp Lys Gln Ala Glu Thr Lys Val Gln Ala Lys Ile Arg
65 70 75 80

Lys Met Lys Val Thr Lys Lys Xaa Asn His His Xaa Lys Ile Asn Gly
85 90 95

Lys Arg Lys Thr Ala Lys Asn Arg Lys Cys Phe Asn Val Arg Lys Ser
100 105 110

Cys Gly Gly Gly Gln Arg Thr Thr Thr Xaa Ala Lys Ser Pro Xaa Leu
115 120 125

Gln Glu Ser Leu Phe Ala Thr Gly Ser Glu Trp Arg Gln Xaa Ser Met
130 135 140

Xaa His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu Thr Ala Glu Thr
145 150 155 160

Leu Lys Asn Arg Met Gly Xaa Gln Pro Pro Pro Pro Thr Gln Gln His
165 170 175

Ser Ile Thr Asp Asn Ser Leu Ser Leu Lys Thr Pro Pro Glu Cys Xaa
 180 185 190
 Leu His Pro Leu Pro Pro Ser Val Asp Asp Asn Ile Lys Glu Cys Pro
 195 200 205
 Leu Ala Pro Xaa Pro Pro Ser Val Asp Asp Asn Leu Lys Glu Cys Leu
 210 215 220
 Pro Gly Pro Ser Ser Thr Leu Ser Xaa Ser Thr Leu Ser Gly
 225 230 235

<210> 183
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Ser His Phe Val Leu Phe Leu Ile Leu Leu Ile Leu Ser Leu Ser
 1 5 10 15

Lys Asp Thr Asn Leu Trp Ile Gln Val Lys Gly
 20 25

<210> 184
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Gly Cys Leu Cys Leu Ser Leu Thr Met Gly Cys Leu Val Tyr Gly
 1 5 10 15

Leu Leu Gln Gly Trp Gly Lys Lys Pro Tyr Trp Gln Val Ala Pro Ile
 20 25 30

Gln Leu Glu Pro Ile Phe His Arg Arg Ser Gly Cys Glu Pro Leu Ala
 35 40 45

Ile Ile Ile His Ser Leu Trp Gly Met Gly Thr Pro Ala Val Lys Arg
 50 55 60

Ile Trp Ala Arg His Gln Arg Tyr Pro Pro His His Asp Gly Tyr Asn
 65 70 75 80

Leu Val Ser Lys Arg Glu Gly Arg Gln Asp Leu Gly Leu Thr Leu Val
 85 90 95

Tyr Arg Pro Glu Asn
 100

<210> 185
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (?)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 185

Met Lys Pro Leu Gln His Xaa Gly Xaa Arg Ile Phe Phe Leu Gly Leu
1 5 10 15Ser Ala Pro Phe Asn Pro Gly Leu Cys Gln Ala Ala Pro Leu Leu Arg
20 25 30Gly Phe Trp Gly
35

<210> 186

<211> 27

<212> PRT

<213> Homo sapiens

<400> 186

Met Pro Lys Thr Leu Leu Arg Ser Phe Leu Leu Leu Phe Phe Leu Leu
1 5 10 15Gln Thr His Ser Ser Ser Leu Arg Lys Val Lys
20 25

<210> 187

<211> 25

<212> PRT

<213> Homo sapiens

<400> 187

Met Leu Val Leu Leu Leu Phe Trp Ser Leu Gly Trp Asn Lys Lys Val
1 5 10 15Val Leu Pro Leu Asp Ser Leu Cys Pro
20 25

<210> 188

<211> 80

<212> PRT

<213> Homo sapiens

<400> 188

Met Cys Val Val Cys Val Cys Val Trp Cys Met Cys Val Cys Gly Val
1 5 10 15Cys Val Cys Leu Cys Val Cys Gly Val Cys Met Cys Ile Ser Leu Asn
20 25 30Glu Lys Leu Ala Pro Met Ile Met Glu Leu Thr Thr Pro Lys Val Cys
35 40 45Arg Gln Gln Ala Gly Gly Pro Gly Gly Pro Val Val Trp Leu Gln Pro
50 55 60Val Ser Glu Gly Leu Arg Thr Arg Arg Ala Gly Gly Ala Ala Ala Val
65 70 75 80

<210> 189

<211> 431
 <212> PRT
 <213> Homo sapiens

<400> 189
 Met Lys Asn Pro Ile Leu Glu Arg Leu Ala Glu Gln Ile Ala Thr Leu
 1 5 10 15
 Cys Ala Thr Leu Lys Glu Tyr Pro Ala Val Arg Tyr Arg Gly Glu Tyr
 20 25 30
 Lys Asp Asn Ala Leu Leu Ala Gln Leu Ile Gln Asp Lys Leu Asp Ala
 35 40 45
 Tyr Lys Ala Asp Asp Pro Thr Met Gly Glu Gly Pro Asp Lys Ala Arg
 50 55 60
 Ser Gln Leu Leu Ile Leu Asp Arg Gly Phe Asp Pro Ser Ser Pro Val
 65 70 75 80
 Leu His Glu Leu Thr Phe Gln Ala Met Ser Tyr Asp Leu Leu Pro Ile
 85 90 95
 Glu Asn Asp Val Tyr Lys Tyr Glu Thr Ser Gly Ile Gly Glu Ala Arg
 100 105 110
 Val Lys Glu Val Leu Leu Asp Glu Asp Asp Asp Leu Trp Ile Ala Leu
 115 120 125
 Arg His Lys His Ile Ala Glu Val Ser Gln Glu Val Thr Arg Ser Leu
 130 135 140
 Lys Asp Phe Ser Ser Ser Lys Arg Met Asn Thr Gly Glu Lys Thr Thr
 145 150 155 160
 Met Arg Asp Leu Ser Gln Met Leu Lys Lys Met Pro Gln Tyr Gln Lys
 165 170 175
 Glu Leu Ser Lys Tyr Ser Thr His Leu His Leu Ala Glu Asp Cys Met
 180 185 190
 Lys His Tyr Gln Gly Thr Val Asp Lys Leu Cys Arg Val Glu Gln Asp
 195 200 205
 Leu Ala Met Gly Thr Asp Ala Glu Gly Glu Lys Ile Lys Asp Pro Met
 210 215 220
 Arg Ala Ile Val Pro Ile Leu Leu Asp Ala Asn Val Ser Thr Tyr Asp
 225 230 235 240
 Lys Ile Arg Ile Ile Leu Leu Tyr Ile Phe Leu Lys Asn Gly Ile Thr
 245 250 255
 Glu Glu Asn Leu Asn Lys Leu Ile Gln His Ala Gln Ile Pro Pro Glu
 260 265 270
 Asp Ser Glu Ile Ile Thr Asn Met Ala His Leu Gly Val Pro Ile Val
 275 280 285
 Thr Asp Ser Thr Leu Arg Arg Arg Ser Lys Pro Glu Arg Lys Glu Arg
 290 295 300
 Ile Ser Glu Gln Thr Tyr Gln Leu Ser Arg Trp Thr Pro Ile Ile Lys
 305 310 315 320
 Asp Ile Met Glu Asp Thr Ile Glu Asp Lys Leu Asp Thr Lys His Tyr

325 330 335
 Pro Tyr Ile Ser Thr Arg Ser Ser Ala Ser Phe Ser Thr Thr Ala Val
 340 345 350
 Ser Ala Arg Tyr Gly His Trp His Lys Asn Lys Ala Pro Gly Glu Tyr
 355 360 365
 Arg Ser Gly Pro Arg Leu Ile Ile Phe Ile Leu Gly Gly Val Ser Leu
 370 375 380
 Asn Glu Met Arg Cys Ala Tyr Glu Val Thr Gln Ala Asn Gly Lys Trp
 385 390 395 400
 Glu Val Leu Ile Gly Ser Thr His Ile Leu Thr Pro Gln Lys Leu Leu
 405 410 415
 Asp Thr Leu Lys Lys Leu Asn Lys Thr Asp Glu Glu Ile Ser Ser
 420 425 430

<210> 190
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 190
 Met His Cys Leu Ile Ser Phe Leu Ala Leu Ser Leu Phe Leu Tyr Val
 1 5 10 15
 Cys Phe Ser Leu Phe Leu Ala Asn Lys Lys Tyr Leu Leu Ser Asn Ser
 20 25 30
 Arg Leu Leu Tyr Lys Val Thr Ile Leu Ser Ser Leu Ser Ile Phe Phe
 35 40 45
 Leu Ser Ser Ser Thr Ser Glu Lys Val Ile Leu Asn Asn Ser Leu Val
 50 55 60
 Cys Ile Gln Lys Ser Phe Phe Val Ala Leu Phe Ser Lys Val Phe Glu
 65 70 75 80
 Ala Phe Leu Leu Ile Lys Phe Leu
 85

<210> 191
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 191
 Met Ala Pro Ser Pro Phe Trp Val Leu Ile Met Pro Leu Leu Val Thr
 1 5 10 15
 Leu Gly Ser Cys Cys Thr Gln Val Met Gly Pro Pro Ala
 20 25

<210> 192
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 192
 Met Phe Ser Ile Arg Ile Leu Ser Ser Ser Ala Phe Cys Ser Cys Ser

1 5 10 15
 Phe Leu Ala Cys Ser Ser Ala Leu Ser Phe Leu Ile Phe Ser Ser Ser
 20 25 30
 Ala Arg Arg Ala Ala Val Ser Ser Ser Ser Leu Ser Ser Ser Lys Ser
 35 40 45
 Ser Ser Ser Ser Ser Val Arg Gly Ser Ser Ala Ser Arg Leu Ala Ala
 50 55 60
 Gly Ile Trp Ser Asn Arg Gly Phe Phe Asp Thr Glu Glu Glu Val Val
 65 70 75 80
 Cys Ser Arg Val Gly Arg Ser Leu Phe Phe Ser Leu Ala Ala Ala Leu
 85 90 95
 Ser Leu Ser Ser Asn Ser Leu Leu Lys Ser Arg Leu Arg Thr Ser Ser
 100 105 110
 Gly Ala Ser
 115

<210> 193
 <211> 45
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 193
 Met Ala Leu Leu Leu Leu Ala Val Pro Pro Val Lys Ser Phe Leu Thr
 1 5 10 15
 Lys Lys Lys Lys Lys Lys Asn Ser Arg Gly Ala Arg Tyr Pro Ile Arg
 20 25 30
 Pro Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser Xaa
 35 40 45

<210> 194
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 194
 Met Lys Trp Lys Trp Ile Ile Met Lys Val Phe Ile Pro Val Phe Thr
 1 5 10 15
 Leu Ser Arg Leu Ser Cys Cys Leu Arg Gly Gly Arg Gly Gly Arg Gly
 20 25 30
 Gly Gly Ser Gly Trp Gly Gly Gly Arg Gly Gly Gly Ser Gly Trp Glu
 35 40 45
 Gly Gly Arg Gly Arg His Thr Trp Cys Asn Phe Cys
 50 55 60

<210> 195
 <211> 62

<213> Homo sapiens

Met Arg Lys Lys Ser Phe His Ala Glu Tyr Tyr Asn Ser Leu Leu Leu
1 5 10 15

Leu Leu Phe Leu Pro Glu Asn Asn Asp Ser Arg Gln Asp Ile Gly Arg
20 25 30

Val Ile Phe Gly Glu Ser Asp Gln Pro Lys Ser Lys Tyr Leu Lys Val
35 40 45

Leu Ile Leu Glu Ile Pro Arg Lys Trp Leu Ser Gln Thr Tyr
50 55 60

<211> 113

<213> Homo sapiens

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<400> 196
Met Asp Pro Glu Pro Gln Thr Phe His Pro Val Leu Ser Leu Leu Ser
  1             5             10             15
```

Phe Leu Phe Lys Ala Pro Leu Val Pro Pro Gly Ser Pro Val Val Asn
20 25 30

Ala Leu Phe Arg Gln Arg Ser Cys Ile Glu Asn Ile Leu Arg Ala Cys
35 40 45

Val Gly Leu Pro Pro Gln Asn His Met Leu Leu Glu His Lys Met Glu
50 55 60

Arg Pro Gly Pro Ser Leu Lys Arg Val Gly Pro Val Ala Ala Thr Tyr
65 70 75 80

Pro Met Leu Asn Lys Lys Gly Pro Val Pro Ala Ala Thr Asn Gly Cys
85 90 95

Thr Gly Asp Ala Asn Gly His Leu Gln Glu Glu Pro Pro Met Pro Thr
100 105 110

Thr

<211> 69

<213> Homo sapiens

<400> 197
Met Leu Ser Gly Thr Leu Leu Ser Phe Pro Ile Val Ala Cys Ala Ser
1 5 10 15

Ile Leu Tyr Leu Ala Gln Thr Trp Cys Gln Glu Trp Asn His Leu Asp
20 25 30

Phe Ser Ala Ser Ala Asn Ile Pro Ser Leu Ile Tyr His Pro Met Met
35 40 45

Lys Lys Ile Ile Ala Cys Ile Leu Lys Leu Lys Thr Ser Val Leu Pro
50 55 60

Gln Ile Pro Glu Thr
65

<210> 198
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 198
Met Gly Ser Ser Arg Gly Val Leu Phe Cys Phe Val Leu Ile Xaa Leu
1 5 10 15

Val Val Gly Ile Ala Gly Arg Glu Ile Lys Phe
20 25

<210> 199
<211> 34
<212> PRT
<213> Homo sapiens

<400> 199
Met Asn Cys Ala Lys Ala Ser Pro Val Val Ile Leu Pro Leu Val Ala
1 5 10 15

Leu Pro Val Leu Ala Pro His Pro Thr Pro Met Pro Leu Phe Pro Tyr
20 25 30

Arg Phe

<210> 200
<211> 47
<212> PRT
<213> Homo sapiens

<400> 200
Met Leu Leu Leu Leu Ser Leu Ser Ser Pro Pro His Pro Ser Arg Pro
1 5 10 15

Ser Leu Asn Pro Tyr Phe Leu Thr Glu Ala Phe Pro Asp Ser Ser Thr
20 25 30

Leu Ser His Phe Pro Leu Leu Gln Ala Leu Leu Thr His Gln Leu
35 40 45

<210> 201
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 201
Met His Ser Ser Ala Glu Thr Leu Leu Cys Trp Pro Leu Phe Val Gly

1 5 10 15
 Val Ala Val Gly Gly Gln Gly Ala Ser Ser Lys Ser Ser Ser Xaa Trp
 20 25 30
 Thr Leu Ser Arg Ala
 35

<210> 202
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 202
 Met Ser Gly Ala Trp Gly Ser Gly Phe Ala Gly Ala Leu Trp Ser Met
 1 5 10 15
 Gly Leu Cys Ala Ser Ser Val Trp Gly Asn Ser Trp Asp Ile Asp Phe
 20 25 30
 Cys Pro Arg Asp Ser His Gly Glu Trp
 35 40

<210> 203
 <211> 100
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 203
 Met Gly Met Ile Leu Val Leu Ala Ser Phe Leu Ala His Pro Val Glu
 1 5 10 15
 Ala Leu Ala Gln Ala Val Ala Leu Gly Gln Gln Gln Leu Ala Leu Leu
 20 25 30
 Gly Val Gln Xaa His Ala Val Glu Gly Phe Leu Gln Leu Gln Xaa Cys
 35 40 45
 Phe Ala Xaa Leu Phe Val Phe Glu Gly Ala Leu Leu Ala His Leu Gly
 50 55 60
 His Phe Phe Val Glu Pro Gly Ala Ala Gln Gly Gln Leu Leu Asp Leu
 65 70 75 80

Gly Leu Xaa Arg Arg Glu Leu Gly Phe Gln Phe Ala Leu Leu Ala Arg
85 90 95

Phe Val Leu Gln
100

<210> 204
<211> 42
<212> PRT
<213> Homo sapiens

<400> 204
Met Glu Gly Thr Phe Thr Val Trp Ser Gly Gly Leu Ala Val Tyr Val
1 5 10 15
Trp Ala Val Trp Cys Ser Val His Gly Trp Cys Phe Leu Cys Gly Cys
20 25 30

Leu Gln Ser Ala Leu Leu Lys Leu Phe Met
35 40

<210> 205
<211> 24
<212> PRT
<213> Homo sapiens

<400> 205
Met His Leu Phe Leu Leu Val Lys Phe Trp Asn Leu Trp Thr Gly Gln
1 5 10 15
Leu Leu Leu Ile Thr Lys Leu Phe
20

<210> 206
<211> 38
<212> PRT
<213> Homo sapiens

<400> 206
Met Glu Val Val Leu Val Leu Leu Ala Ser Ala Cys His Leu Leu Leu
1 5 10 15
Gly Gly His Thr Thr Val Glu Gly His Ala Ala Trp Arg Trp Pro Gly
20 25 30

Trp Pro Cys Cys Pro Gly
35

<210> 207
<211> 37
<212> PRT
<213> Homo sapiens

<400> 207
Met Pro Leu Asp Ala Ala Lys Ser Met Val Val Phe Asn Phe Ala Ile
1 5 10 15
Leu Leu Phe Phe Leu Pro Asp Pro Gly Met Ser Leu Asp Ile Ala Lys
20 25 30

Ile Tyr Phe Cys Ser
35

<210> 208
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 208
 Met Pro Tyr Pro Leu Trp Gln Trp Ser Val Trp Met Leu Thr Cys Ala
 1 5 10 15
 Ile Cys Pro Pro Val Cys Ala Arg Arg His Leu Ser Ser Leu Leu Leu
 20 25 30
 Ser Cys Pro Lys Gly Leu Gly Arg Ala Ser Thr
 35 40

<210> 209
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 209
 Met Ser Val Phe Ser Gly Cys Arg Leu Val Tyr Ile Ala Ile Ile Phe
 1 5 10 15
 Cys Leu Leu Met Phe Asp Leu Ala Leu Asn Gln Leu Phe Leu Val Asn
 20 25 30
 Thr Leu Tyr Asn Asn Leu Leu Ser Ser Arg Asp Ser Ser Phe Leu Glu
 35 40 45
 Met Asn Phe Ser Tyr Glu
 50

<210> 210
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 210
 Met Thr Trp Thr Lys Cys Pro Leu Pro Leu Gly Pro Ala Phe Thr
 1 5 10 15
 Gln Cys Cys Leu Ile Gly Leu Leu Val Pro Leu Leu Gly Trp Gly Asn
 20 25 30
 Gln Asn Thr Gln Trp Tyr Pro Thr Ser Lys Met Pro Asp Leu Lys Asp
 35 40 45
 Ser Lys Thr Thr Asp Leu Cys Gln His Val Lys His Met Val
 50 55 60

<210> 211
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Leu Arg Gly Ala Ser Gly Met Cys Arg Gly His Leu His Ile
 1 5 10 15
 Val Phe Phe Pro Val Leu Leu Leu Ser His Pro Leu Tyr Lys Lys Trp

20
Val Leu Thr Trp Ser Leu
35

25

30

<210> 212
<211> 41
<212> PRT
<213> Homo sapiens

<400> 212
Met Pro Pro Lys Gln Ile Pro Leu Thr Ser Leu Ser Leu Leu Ala Leu
1 5 10 15
Leu Leu Phe Phe Phe Phe Lys Ile Phe Cys Leu Leu Phe Leu Phe Tyr
20 25 30

Pro Leu Pro Asp Glu Ser Glu His Phe
35 40

<210> 213
<211> 27
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 213
Met Pro Arg Cys Ile Xaa Phe Met Cys Val Leu Leu Leu Pro Ser Gly
1 5 10 15
Ala Gly Pro Pro Trp Gly Asn Cys Cys Pro Asp
20 25

<210> 214
<211> 28
<212> PRT
<213> Homo sapiens

<400> 214
Met Phe Phe Ile Phe Phe Met Leu Ser Ile Gln Ala Leu Phe His Gly
1 5 10 15
Gln Gln Val Ile Phe His Asn Val Asp Phe Pro Lys
20 25

<210> 215
<211> 125
<212> PRT
<213> Homo sapiens

<400> 215
Met Ala Thr Pro His Pro His Pro Ala Ala Gln Leu Leu Cys Leu Leu
1 5 10 15
Phe Cys Leu Pro His Leu Ser Val Ala Val Phe Val Leu Ser Ser Pro
20 25 30
Ala Pro His Phe Val Lys Trp Pro Leu Gly Glu Cys Phe Cys Trp Ile

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<210> 216
<211> 37
<212> PRT
<213> Homo sapiens

<400> 216
Met Tyr Ser Phe Lys Ala Ala Leu Gly Val Lys His Arg Arg Tyr Met
  1             5             10             15
Gln His Leu Val Ile Ile Ser Ala Leu Phe Cys Ser Leu Leu Gly Thr
      20             25             30
Leu Ile Thr Lys Cys
      35

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<400> 217
Met Ser His Ser Ala Leu Pro Val Leu Phe Ile Leu Leu Leu Leu Phe
  1          5          10          15
Pro Leu Pro Leu Glu Pro Leu Xaa Cys Glu Ser Cys Thr Xaa Cys Val
          20          25          30
Ser Leu Ser Cys Pro Leu Tyr Ser His Ser Ser Cys Ser Leu Ile His
          35          40          45
Leu Phe Ile Gln His Ile Tyr Phe Glu Arg Leu Ala Gln Cys Gln Ala
          50          55          60
Leu Ser Leu Ile Val Glu Thr His Lys Leu Lys Arg Asp Ser Tyr Pro
          65          70          75          80
Asp Leu Lys Leu Met Thr Ile

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85

<210> 218
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 218
 Met Arg Leu Trp Leu Gln Glu Cys Leu Cys Phe Leu Leu Leu Ser Ser
 1 5 10 15
 His Gln Gly Phe Phe His Leu Asn Leu Val Phe Ile Cys Leu Phe Leu
 20 25 30
 Leu His Pro Cys Leu Leu Leu Cys Lys
 35 40

<210> 219
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 219
 Met Val Leu Lys Gln Lys Gln Tyr Leu Phe Thr Val Gly Ile Leu Phe
 1 5 10 15
 Ile Leu Phe Phe Ser Pro Val Asn Ala Val Lys Arg Phe Ile Pro Leu
 20 25 30
 Arg Pro Gly Ser Ser Gln Ala Tyr Met Leu Leu Gly
 35 40

<210> 220
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met Met Thr Met Leu Met Ile Leu Ile Val Pro Ala Ile Ala Gln Arg
 1 5 10 15
 Lys Val Arg

<210> 221
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Thr Leu His Ile Leu Leu Asn Leu Leu Tyr Phe Ser Leu Val Ala
 1 5 10 15
 Phe Thr Thr Trp Leu Thr Val Tyr Leu Pro Ile Cys Tyr Cys Leu Pro
 20 25 30
 Ile Pro Ala Gly Thr Gln Thr Leu Gly Arg Gln Arg Leu Cys Leu Ile
 35 40 45
 His Tyr Cys Ile
 50

<210> 222
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 222
 Met Gln His Leu Pro Gly Leu Ser Leu His Leu Val Leu Val Phe Leu
 1 5 10 15
 Glu Ser Leu Gly Ser Cys Ala Thr Pro His Pro Arg Ala Ala Pro Ala
 20 25 30
 Ala Lys Lys Lys Lys Lys Lys Lys
 35 40

<210> 223
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 223
 Met Leu Ala Val Leu Phe Phe Ser Ser Tyr Ser Leu Gly Glu Leu Ala
 1 5 10 15
 His Ser Leu Gly Leu Asn Cys Thr Phe Ile
 20 25

<210> 224
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 224
 Met Leu Phe Leu Phe Gln Ile Ser Ser Leu Val Gly Leu Phe Ser Ala
 1 5 10 15
 Thr Leu Leu Gly Val Phe Gly Asn
 20

<210> 225
 <211> 198
 <212> PRT
 <213> Homo sapiens

<400> 225
 Met Ala Ala Leu Thr Ala Glu His Phe Ala Ala Leu Gln Ser Leu Leu
 1 5 10 15
 Lys Ala Ser Ser Lys Asp Val Val Arg Gln Leu Cys Gln Glu Ser Phe
 20 25 30
 Ser Ser Ser Ala Leu Gly Leu Lys Lys Leu Leu Asp Val Thr Cys Ser
 35 40 45
 Ser Leu Ser Val Thr Gln Glu Glu Ala Glu Glu Leu Leu Gln Ala Leu
 50 55 60
 His Arg Leu Thr Arg Leu Val Ala Phe Arg Asp Leu Ser Ser Ala Glu
 65 70 75 80
 Ala Ile Leu Ala Leu Phe Pro Glu Asn Phe His Gln Asn Leu Lys Asn
 85 90 95

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Leu Leu Thr Lys Ile Ile Leu Glu His Val Ser Thr Trp Arg Thr Glu
      100      105      110
Ala Gln Ala Asn Gln Ile Ser Leu Pro Arg Leu Val Asp Leu Asp Trp
      115      120      125
Arg Val Asp Ile Lys Thr Ser Ser Asp Ser Ile Ser Arg Met Ala Val
      130      135      140
Pro Thr Cys Leu Leu Gln Met Lys Ile Gln Glu Asp Pro Ser Leu Cys
      145      150      155      160
Gly Asp Lys Pro Ser Ile Ser Ala Val Thr Val Glu Leu Ser Lys Glu
      165      170      175
Thr Leu Asp Thr Met Leu Asp Gly Leu Gly Arg Ile Arg Asp Gln Leu
      180      185      190
Ser Ala Val Ala Ser Lys
      195

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<210> 226
<211> 25
<212> PRT
<213> Homo sapiens

<400> 226
Leu Glu Leu Trp Leu Phe Ile Phe Ile Leu Pro Phe Leu Phe Leu Gly
  1           5           10           15
Lys Arg Gln Gly Leu Ala Phe Cys Pro
      20      25

<210> 227
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 227
Met Val Ser Phe Val Gly Ile Cys Leu Leu Leu Gly Ser Phe Phe Ser
  1           5           10           15
Pro Ser Leu Gln Gly Thr Ile Trp His His Pro Ala Lys Pro Asp Gly
      20      25      30
Ser Gly His Gly Leu Pro Ser Phe Ala Val Ile Met Gly Lys Gln Val
      35      40      45
Val Pro Thr Val Tyr Trp Arg Met Pro Tyr Pro Arg Arg Gly Gly Pro
      50      55      60
Gly Thr Xaa Phe Ala Leu
  65      70

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<210> 228
<211> 26
<212> PRT

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<213> Homo sapiens

<400> 228

Met Val Leu Val Leu Thr Thr Leu Ser Leu Leu Pro Leu Leu Ile Ser
1 5 10 15

Pro Cys Asn Tyr Glu Ile Asn Phe Ser Leu
20 25

<210> 229

<211> 79

<212> PRT

<213> Homo sapiens

<400> 229

Met Gly Leu Cys Glu Ala Ser Cys Ser Ser Leu Asp Asn Ala Leu Pro
1 5 10 15

Val His Ser Val Leu Val Val Ser Val Ser Ser Ser Val Phe Thr Gly
20 25 30

Leu Gly Ser Cys Tyr Ser Pro Cys Leu Phe Pro Glu Cys Leu Arg Val
35 40 45

Thr Glu Met Lys Lys Pro Leu Gly Ser Arg Lys Cys Gly Leu Ala Leu
50 55 60

Ile Trp Phe Gly Phe Val Ser Pro Pro Lys Ser His Leu Glu Leu
65 70 75

<210> 230

<211> 45

<212> PRT

<213> Homo sapiens

<400> 230

Met Gln Leu Leu Gln Leu Ser Phe Gln Leu Leu Val Ser Leu Ile Leu
1 5 10 15

Pro Thr Ile Tyr Thr Leu Pro Gln Phe Gln Ile Trp Lys Gln Val Pro
20 25 30

Asp Ile Asn Ile Ile Ser Ser Ser Thr Phe Gln Tyr Ala
35 40 45

<210> 231

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 231

Met Val Leu Val Ile Ser Leu Ala Ala Gln Val Gln Ser Pro Arg Arg
1 5 10 15

Ala Gly Pro Ile Thr Gly Pro Leu Pro Leu Pro Leu Leu Leu Leu
 20 25 30
 Pro Phe Gly Pro Pro Pro Pro Ala Lys Pro Ala Pro Glu Ala Ala Leu
 35 40 45
 Pro Ser Ala Ala Thr Arg Gly Arg Ala Gly Ala Leu Arg Ala Leu Glu
 50 55 60
 Pro Ala Asp Pro Ala Ser Val Ser Trp Glu Gly Pro Ala Pro Ala Gln
 65 70 75 80
 Ser Thr His Gly Asn Lys Gly Gln Ala Ala Thr Val Lys Lys Lys Xaa
 85 90 95
 Lys Lys Lys Arg Ala Ala Ala Xaa Lys
 100 105

<210> 232
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 232
 Met Ser Leu Gln Ser Arg Gly Ser Asn
 1 5

<210> 233
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 233
 Met Gly Phe Ser Xaa Val Gly Cys Gly Arg Gly Asp Asp Ala Leu Phe
 1 5 10 15

Leu Ile Phe Asp Leu Phe Phe Gln Leu Asp Phe Phe Pro Gly Leu Phe
 20 25 30

Leu Gly Pro Ala Ala Phe Val Ile Pro Arg Pro Gly Pro Arg Pro Xaa
 35 40 45

Thr Ser Ser Ala Gly Ala Pro Pro Ala Val Gly Ser Gly Cys Asp Arg
 50 55 60

Ala Glu Val Leu Ser Gly Thr Leu Gly Ser Gln Pro Gly Asp Ser Glu
 65 70 75 80

Pro Arg Gly Arg

<210> 234

<211> 20
 <212> PRT
 <213> Homo sapiens

<400> 234
 Met Lys Leu Ser Val Pro Leu Leu Ile Val Pro Leu Leu Met Trp Asn
 1 5 10 15
 Ser Asn Trp Ile
 20

<210> 235
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 235
 Met Arg Thr Pro Pro Ser Pro Gly Pro Arg Thr His Leu Val Leu Val
 1 5 10 15
 Leu Leu Gln Pro Leu Ser Gln Arg Gly Gln His Asp Leu Gly Gly Arg
 20 25 30

Xaa Xaa Xaa Val Ala
 35

<210> 236
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 236
 Met Val Ala Val Thr Leu Val Leu Gly Ala Gly Asp Phe Ala Leu Thr
 1 5 10 15

Leu Gly Gly Phe Thr Leu Gly Gly Ile Gly Thr Ala Thr Phe Gly Ala
 20 25 30

Ile Leu Leu Asn Ala Leu Leu Ser Arg Lys Leu Val Asp Val Pro Pro
 35 40 45

Pro Glu Val Val His Gln Glu Pro
 50 55

<210> 237
 <211> 34
 <212> PRT
 <213> Homo sapiens

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<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 237
Met  Pro  Tyr  Asn  Ile  Gly  Tyr  Xaa  Thr  Phe  Tyr  Phe  Ile  Leu  Phe  Tyr
 1          5              10              15

Phe  Ile  Leu  Phe  Tyr  Leu  Glu  Thr  Arg  Ser  Cys  Ser  Val  Thr  Gln  Ala
          20              25              30

Arg  Gly

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<210> 238
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 238
Gly  Arg  Gly  Leu  Ser  Ser  Leu  Thr  Pro  Tyr  Ile  Val  Leu  Cys  Val  Phe
 1          5              10              15

Ile  Met  Leu  Ser  Cys  Glu  Thr  Asp  Ser  Leu  Xaa  Val  Trp  Arg  Ser  Ile
          20              25              30

Gln  Val  Met  Ile  Pro  Gly  Arg  Ala  Arg  Trp  Leu  Thr  Pro  Val  Ile  Pro
          35              40              45

Lys  Cys  Trp  Asp  Arg  Arg  Arg  Glu  Ser  Pro  Arg  Pro  Val  Lys  Thr  Val
          50              55              60

Leu  Leu  Lys  Gly  Cys  Leu  Pro  Ser  Gly  Gly  Cys  Gln  Ser  Pro  Gly  Thr
 65          70              75              80

Pro  Pro  Gly  Val  Ser  Ala  Phe  Ile  Pro  Ser  Cys  Gly  Arg  Lys  Cys  Ser
          85              90              95

Val  Arg  Asn  Arg  Ile  Leu  Xaa  Val  Arg  Leu  Ser  Ala  Gly  Tyr  Arg  Met
          100             105             110

Gly

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<210> 239
<211> 82
<212> PRT
<213> Homo sapiens

<400> 239
Met  Glu  Asp  Thr  Asp  Asp  Ser  Leu  Val  Leu  Val  Phe  Leu  Ser  Ala  Val
 1          5              10              15

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Asn Val Gln Gln Phe Ala Gln Glu Leu Gly Asp His Ile Cys Leu Ser
      20                      25                      30
Gly Gln Gly Ser Glu Val His Trp Asn Leu Leu Arg Asn Leu Phe Val
      35                      40                      45
Lys Thr Ile Val Asn Asn Tyr Cys Ile Phe Leu Gln Lys Tyr Ile Leu
      50                      55                      60
Glu Asn Cys Ile Leu Ser Ile Lys Val Phe Leu Cys Lys Lys Lys Lys
      65                      70                      75                      80
Lys Lys

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<210> 240
<211> 92
<212> PRT
<213> Homo sapiens

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<400> 240
Pro Asn Leu Leu Phe Gln Thr Leu Leu Leu His Pro Phe Ser Thr Ile
  1                      5                      10                      15
Ile Ser Thr Ser His Thr Val Leu Leu Asp Ile His Lys Glu Gln His
      20                      25
Ala Phe Leu Cys Leu Gly His Asp Ile Phe Ser Ser Met His Leu Leu
      35                      40                      45
Phe Asn Ser Leu Phe Cys Leu Ile Ser Lys Cys Leu Leu Ile Ala Cys
      50                      55                      60
Asn Met Pro Cys Pro Val Leu Gly Ser Glu Ser Ile Lys Ile Asn Lys
      65                      70                      75                      80
Gln Asp Pro Asp Met Gln Gly Asp His Asn Leu Val
      85                      90

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<210> 241
<211> 92
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 241
Met Ala Ile Arg Cys Cys Ser Ser Thr Ser Asn Ala Leu Ile Leu Ile
  1                      5                      10                      15
Leu Phe Thr Trp Thr Val Leu Leu His His Pro Arg Ser Ser Ser Phe
      20                      25                      30
Leu Pro Ser Phe Lys Lys Pro Ser Trp Thr Ser Pro Leu Gly Tyr Ala
      35                      40                      45
Ile Ile Ala Thr Pro Cys Asn Ser Leu Ser Xaa His Leu Ser Cys Tyr
      50                      55                      60
Ile Glu Leu Ser Val Ser Leu Thr Glu Cys Glu Pro Ala Leu Lys Leu

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<210> 242
<211> 28
<212> PRT
<213> Homo sapiens

<400> 242
Met Leu Ile Phe Ile Leu Leu Ala Thr Asn Leu Phe Val Ser Ser Leu
 1             5             10             15
Phe Glu Ile Leu Met Tyr Arg Ser Phe Gln Asn Asn
                20             25
```

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<210> 243
<211> 32
<212> PRT
<213> Homo sapiens

<400> 243
Met Leu Gly Phe Phe Ser Pro Ile Phe Pro His Leu His Leu Phe Phe
 1          5          10         15
Pro Thr Ala Tyr Ser Trp Arg Glu Arg Ser Arg Gln Glu Phe Ala Ile
          20          25          30

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<210> 244
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids
```

 $\langle 220 \rangle$

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<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 244
Met Leu Phe Leu Val Phe Ser Leu Xaa Leu Leu Lys Pro Leu Xaa Phe
 1              5              10              15
Phe Xaa Phe Gly Gly Xaa Arg Ile Val Asn Ile Xaa Xaa Xaa Gln Xaa
              20              25              30
Gln His His Ala Glu Gly Lys Xaa Gly Ser
      35              40

<210> 245
<211> 27
<212> PRT
<213> Homo sapiens

<400> 245
Met Leu Thr Gln Asn Gly Leu Phe Val Phe Phe Phe Phe Gly Phe
 1              5              10              15
Gln Ser Ser Cys Lys His Ala Lys Lys Lys Lys
      20              25

<210> 246
<211> 123
<212> PRT
<213> Homo sapiens

<400> 246
Met Gly Gly Tyr Tyr Cys Asn Val Cys Asp Cys Val Val Lys Asp Ser
 1              5              10              15
Ile Asn Phe Leu Asp His Ile Asn Gly Lys Lys His Gln Arg Asn Leu
              20              25              30
Gly Met Ser Met Arg Val Glu Arg Ser Thr Leu Asp Gln Val Lys Lys
      35              40              45
Arg Phe Glu Val Asn Lys Lys Lys Met Glu Glu Lys Gln Lys Asp Tyr
      50              55              60
Asp Phe Glu Glu Arg Met Lys Glu Leu Arg Glu Glu Glu Lys Ala
      65              70              75              80
Lys Ala Tyr Lys Lys Glu Lys Gln Lys Glu Lys Lys Arg Arg Ala Glu
      85              90              95

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Glu Asp Leu Thr Phe Glu Glu Asp Asp Glu Met Ala Ala Val Met Gly
 100 105 110

Phe Ser Gly Phe Gly Ser Thr Lys Lys Ser Tyr
 115 120

<210> 247

<211> 26

<212> PRT

<213> Homo sapiens

<400> 247

Met Arg His Arg Ala Arg Arg Phe Phe Phe Phe Phe Leu Ser Gly
 1 5 10 15

Ile Trp Ala Gly His Gly Gly Ser Cys Leu
 20 25

<210> 248

<211> 40

<212> PRT

<213> Homo sapiens

<400> 248

Met Phe Pro Arg Val Glu Phe Phe Phe Leu Leu Arg Thr Ser Val Ala
 1 5 10 15

Leu Pro Ala Leu Ala Leu Ser Gly Lys Asp Ser Arg Gly Asp Thr Ala
 20 25 30

Val Pro Gly Cys Asp Asn Val Gln
 35 40

<210> 249

<211> 42

<212> PRT

<213> Homo sapiens

<400> 249

Met Arg Val Ala Phe Ile Leu Phe Phe Phe Lys Leu Thr Pro Ser
 1 5 10 15

Phe Thr Pro Ser Ser Ile Ser Gly Tyr Arg Ile Arg Asp Ala Ala Val
 20 25 30

Thr Asn Gly Ile Leu Thr Cys Lys Ile Val
 35 40

<210> 250

<211> 31

<212> PRT

<213> Homo sapiens

<400> 250

Met Val Leu Ser Ala Cys Pro Asn Tyr Val Leu Pro Leu Pro Phe Leu
 1 5 10 15

Leu Ile Thr Leu Lys Cys Asp Gly Thr Thr Thr Glu Ala Val Cys
 20 25 30

<210> 251
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 251
 Met Pro Thr Phe Pro Lys Ser Gln Asn Val Leu Pro Phe Leu Ser Met
 1 5 10 15
 Leu Leu Ser Ala Thr Leu Trp Ser Gln Ser Pro Leu Cys Asp Thr Leu
 20 25 30
 Ile Lys Asp Lys Ala Lys Ser Gln Ser Asp Lys Arg Thr Arg Asp Glu
 35 40 45
 Lys Leu Gly Lys Ile Glu Phe
 50 55

<210> 252
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 252
 Met Phe Leu Ile Leu Val Ala Phe Ile Ser Gly Val Ser Pro Ser Phe
 1 5 10 15
 Val His Ile Ser Val Ser Gly Leu His Cys Lys Ile Ser Leu Thr Ile
 20 25 30
 Val Ala Phe Pro Phe Ser Thr Ala Gln Tyr Lys Ala Val Leu Leu Ser
 35 40 45

<210> 253
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 253
 Met Leu Trp Met Thr Ser Glu Tyr Met Asn Leu Leu Leu Phe Gln Met
 1 5 10 15
 Phe Leu Val Phe Pro Gly Ser Gln Ala Gly Leu Phe Gln Pro Leu Ile
 20 25 30
 Val Tyr Arg Gly Lys Ile Cys Thr Val Gln Cys Met Lys Leu Phe Ser
 35 40 45
 Thr Ser Leu Pro Ser Ser Lys Thr Ile Gln Ser Glu Leu Ser Trp Ala
 50 55 60
 Lys Gln Tyr Ile Arg Val Lys Phe
 65 70

<210> 254
 <211> 342
 <212> PRT
 <213> Homo sapiens

<400> 254

Met Ala Arg Ala Leu Leu Asp His Phe Leu Gly Phe Ser Gln Pro Asp
 1 5 10 15
 Ser Ser Val Thr Pro Cys Val Pro Ala Val Ser Met Asn Arg Asp Glu
 20 25 30
 Gln Asp Val Leu Leu Val His His Pro Asp Met Pro Glu Asn Ser Arg
 35 40 45
 Val Leu Arg Val Val Leu Leu Gly Ala Pro Asn Ala Gly Lys Ser Thr
 50 55 60
 Leu Ser Asn Gln Leu Leu Gly Arg Lys Val Phe Pro Val Ser Arg Lys
 65 70 75 80
 Val His Thr Thr Arg Cys Gln Ala Leu Gly Val Ile Thr Glu Lys Glu
 85 90 95
 Thr Gln Val Ile Leu Leu Asp Thr Pro Gly Ile Ile Ser Pro Gly Lys
 100 105 110
 Gln Lys Arg His His Leu Glu Leu Ser Leu Leu Glu Asp Pro Trp Lys
 115 120 125
 Ser Met Glu Ser Ala Asp Leu Val Val Val Leu Val Asp Val Ser Asp
 130 135 140
 Lys Trp Thr Arg Asn Gln Leu Ser Pro Gln Leu Leu Arg Cys Leu Thr
 145 150 155 160
 Lys Tyr Ser Gln Ile Pro Ser Val Leu Val Met Asn Lys Val Asp Cys
 165 170 175
 Leu Lys Gln Lys Ser Val Leu Leu Glu Leu Thr Ala Ala Leu Thr Glu
 180 185 190
 Gly Val Val Asn Gly Lys Lys Leu Lys Met Arg Gln Ala Phe His Ser
 195 200 205
 His Pro Gly Thr His Cys Pro Ser Pro Ala Val Lys Asp Pro Asn Thr
 210 215 220
 Gln Ser Val Gly Asn Pro Gln Arg Ile Gly Trp Pro His Phe Lys Glu
 225 230 235 240
 Ile Phe Met Leu Ser Ala Leu Ser Gln Glu Asp Val Lys Thr Leu Lys
 245 250 255
 Gln Tyr Leu Leu Thr Gln Ala Gln Pro Gly Pro Trp Glu Tyr His Ser
 260 265 270
 Ala Val Leu Thr Ser Gln Thr Pro Glu Glu Ile Cys Ala Asn Ile Ile
 275 280 285
 Arg Glu Lys Leu Leu Glu His Leu Pro Gln Glu Val Pro Tyr Asn Val
 290 295 300
 Gln Gln Lys Thr Ala Val Trp Glu Glu Gly Pro Gly Gly Glu Leu Val
 305 310 315 320
 Ile Gln Gln Lys Leu Leu Val Pro Lys Glu Ser Tyr Val Lys Leu Leu
 325 330 335
 Ile Gly Pro Lys Ala Thr
 340

<210> 255
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 255
 Met Gly Trp Val Asn Gln Arg Ile Phe Leu Phe Leu Phe Leu Ser
 1 5 10 15
 Gln Gly Leu Ala Leu Ser Pro Arg Xaa Glu Arg Thr Gly Val Ile Xaa
 20 25 30
 Ala His Cys Ser Leu Asp Leu Pro Gly Ser Ser Asn Xaa Pro Ser Ser
 35 40 45
 Ala Ser
 50

<210> 256
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 256
 Met Gln Gln Phe Leu Phe Phe Phe Leu Phe Leu Glu Met Glu Ser Arg
 1 5 10 15
 Pro Phe Ala Arg Ala Gly Val Gln Trp Cys Asp Leu Gly Pro Leu His
 20 25 30
 Ser Xaa Leu Xaa Glu
 35

<210> 257
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 257
 Met Cys Leu Ser Leu Thr Ser Ile His Ile His Pro Thr Ser Leu Leu
 1 5 10 15
 Leu Gln Ser Phe Ile Val Ile Phe Ser Leu Met Leu Glu Ser Phe Ala
 20 25 30
 Phe Ser Ser Cys Ser His Cys Leu Lys Phe Cys Glu Leu Leu Arg Lys
 35 40 45
 Ser Leu Val Lys Val
 50

<210> 258
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 258
 Val Leu Gly Ala Ala His Pro Val Pro Pro Gly Leu Pro Leu Phe Leu
 1 5 10 15
 Pro Tyr Tyr Ile Cys Val Ala Asp Glu Asp Asp Tyr Arg Asp Phe Val
 20 25 30
 Asn Leu Asp His Ala His Ser Leu Leu Arg Asp Tyr Gln Gln Arg Glu
 35 40 45
 Gly Ile Ala Met Asp Gln Leu Leu Ser Gln Ser Leu Pro Asn Asp Gly
 50 55 60
 Asp Glu Lys Tyr Glu Lys Thr Ile Ile Lys Ser Gly Asp Gln Thr Phe
 65 70 75 80
 Tyr Lys Phe Met Lys Arg Ile Ala Ala Cys Gln Glu Gln Ile Leu Arg
 85 90 95
 Tyr Ser Trp Ser Gly Glu Pro Leu Phe Leu Thr Cys Pro Thr Ser Glu
 100 105 110
 Val Thr Glu Leu Pro Ala Cys Ser Gln Cys Gly Gly Gln Arg Ile Phe
 115 120 125
 Glu Phe Gln Leu Met Pro Ala Leu Val Ser Met Leu Lys Ser Ala Asn
 130 135 140
 Leu Gly Leu Ser Val Glu Phe Gly Thr Ile Leu Val Tyr Thr Cys Glu
 145 150 155 160
 Lys Ser Cys Trp Pro Pro Asn His Gln Thr Pro Met Glu Glu Phe Cys
 165 170 175
 Ile Ile Gln Glu Asp Pro Asp Glu Leu Leu Phe Lys
 180 185

<210> 259
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 259
 Met Lys Lys Ile Ile Glu Thr Val Ala Glu Gly Gly Gly Glu Leu Gly
 1 5 10 15

Val His Met Tyr Leu Leu Ile Phe Leu Lys Phe Val Gln Ala Val Ile
 20 25 30

Pro Thr Ile Glu Tyr Asp Tyr Thr Arg His Phe Thr Met
 35 40 45

<210> 260

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 260

Met Pro Ile Cys Glu His Phe Ile Trp Pro Leu Leu Ala Phe Ile Pro
 1 5 10 15

Gln Xaa Leu Ser Ser Gly Leu Arg Val Phe Leu Ser Phe Thr Gln Gln
 20 25 30

Asn His Gln Glu Arg Asp Phe Lys Arg Asp Tyr Gln Ala
 35 40 45

<210> 261

<211> 16

<212> PRT

<213> Homo sapiens

<400> 261

Met Ser His Arg Ala Arg Pro Met Ile Leu Phe Phe Phe Phe Phe
 1 5 10 15

<210> 262 .

<211> 18

<212> PRT

<213> Homo sapiens

<400> 262

Met Leu Thr Leu Val Ser Phe Val Phe Leu Leu Leu Leu Glu Ser
 1 5 10 15

Met Ile

<210> 263

<211> 4

<212> PRT

<213> Homo sapiens

<400> 263

Met Leu Lys Ser
 1

<210> 264

<211> 97

<212> PRT
<213> Homo sapiens

<400> 264
Met Tyr His His Asp Trp Leu Ile Phe Val Phe Leu Val Lys Thr Gly
1 5 10 15
Phe His His Val Gly Gln Ala Gly Leu Glu Phe Leu Thr Ser Ser Asp
20 25 30
Pro Pro Ala Phe Gly Leu Pro Lys Cys Trp Asp Tyr Lys Arg Glu Pro
35 40 45
Pro Arg Pro Ala Arg Met Leu Val Phe Leu Leu Ser Cys Arg Asn Ser
50 55 60
Phe Tyr Ile Pro Asp Ala Asn Ser Phe Ser Asn Ile Cys Phe Ala Asn
65 70 75 80
Ser Ser Phe Gln Ser Ile Ala Gly Leu Cys Met Val Phe Phe Phe Phe
85 90 95
Phe

<210> 265
<211> 49
<212> PRT
<213> Homo sapiens

<400> 265
Met Ala Ala Leu Leu Leu Thr Leu Ile Leu Gly Thr Leu His Gln Gln
1 5 10 15
Lys Gly Leu His Val Gln Ser Pro Ile Pro Ser Pro Ser Gly Arg Lys
20 25 30
His Ile Leu Arg Met Ala Thr Leu Arg Leu Arg Glu Val Lys Val Pro
35 40 45
Ala

<210> 266
<211> 43
<212> PRT
<213> Homo sapiens

<400> 266
Met Leu Ser Phe Gln Lys Ala Ile Leu Phe Leu Ala Met Gly Cys Leu
1 5 10 15
Pro Cys Ile Pro Gln Gly Leu Ser Cys Ala Phe His Pro Ala Ser Phe
20 25 30
His Lys Ala Leu Ser Gly Cys Arg Thr Leu Ile
35 40

<210> 267
<211> 43
<212> PRT
<213> Homo sapiens

<400> 267
Met Gly Lys Lys Ser Ser Thr Ser Phe Tyr Leu Leu Leu Cys Val
1 5 10 15

Leu Lys Thr Ala Leu Leu Lys Cys Ile His Gln Pro Gly Gln Gly Gly
20 25 30

Lys Thr Pro Ser Leu Gln Asn Ile Phe Lys Asn
35 40

<210> 268
<211> 18
<212> PRT
<213> Homo sapiens

<400> 268
Leu Val Leu Gln Leu Leu Leu Leu Gln Gln Ala Ala Gln Ala Asn Arg
1 5 10 15

Leu Leu

<210> 269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 269
Met Ala Cys Cys Asn Pro Tyr Lys Tyr Tyr Phe Tyr Leu Ser Cys Ser
1 5 10 15

Val Cys Phe Leu
20

<210> 270
<211> 25
<212> PRT
<213> Homo sapiens

<400> 270
Met His Lys Ile Gly His Cys Phe Met Ser Leu Phe Ser Ile Lys Lys
1 5 10 15

His Thr Tyr Asp Asp Cys Lys Met Lys
20 25

<210> 271
<211> 148
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 271
Met Gly Leu Phe Gly Lys Thr Gln Glu Lys Pro Pro Lys Glu Leu Val
1 5 10 15

Asn Glu Trp Ser Leu Lys Ile Arg Lys Glu Met Arg Val Val Asp Arg
20 25 30

Gln Ile Arg Asp Ile Gln Arg Glu Glu Glu Lys Val Lys Arg Xaa Cys
35 40 45

Glu Arg Cys Cys Gln Glu Gly Pro Glu Gly Cys Leu His Ser Ser Gly
50 55 60

Gln Gly Asp Asp Gln Val Lys Glu Gly Cys Glu Gln Ala Val Cys Ile
65 70 75 80

Gln Ser Thr His Glu Leu Ser Ala His Gly Asp Glu Glu Pro Ala Arg
85 90 95

Gly Leu Ala Ser Gly Trp Phe Pro Ala Glu Glu His Arg Ser Asp Glu
100 105 110

Gly His Ala Lys Ser Cys Glu Asp Ser Arg Asp Ser Gly His His Glu
115 120 125

Gly Val Val Gln Arg Asn Asp Glu Gly Trp Asp His Arg Gly Asp Val
130 135 140

Arg Gly His Phe
145

<210> 272

<211> 21

<212> PRT

<213> Homo sapiens

<400> 272

Met Leu Leu Ser Asn Leu Val Val Ser Ala Leu Tyr Asn Pro Val Leu
1 5 10 15

Gly Leu Ser Cys Phe
20

<210> 273

<211> 34

<212> PRT

<213> Homo sapiens

<400> 273

Met Thr Leu Tyr Leu Cys Leu Leu Phe Pro Tyr Phe Thr Phe Phe Pro
1 5 10 15

Leu Ser Ala Leu Leu Pro Arg Asp Cys Thr Pro Gln Gln Ile Ile Asn
20 25 30

Tyr His

<210> 274

<211> 40

<212> PRT

<213> Homo sapiens

<400> 274

Met Ser Pro Phe Asn Cys Cys Pro Phe Asn Tyr Thr Leu Ile Tyr Ile
1 5 10 15

Ile Leu Leu Met Leu Ile Tyr Val Tyr Ile Ser Ser Val His Ser Leu
20 25 30

Val Asp Ser Asp Leu Leu Asn Gly
35 40

<210> 275
<211> 25
<212> PRT
<213> Homo sapiens

<400> 275
Met Phe Val Leu Leu Ser His Asp Phe Phe Phe Leu Cys Gln Thr
1 5 10 15

Tyr Lys Leu Asn Leu Val Val Met Phe
20 25

<210> 276
<211> 43
<212> PRT
<213> Homo sapiens

<400> 276
Met Ala Val Lys Leu Gln Leu Leu Ile Pro Val Lys Leu Ile Val Thr
1 5 10 15

Val Thr Glu Ser Gln Gly Ile Gln Gly Trp Phe Arg His His Tyr Cys
20 25 30

Glu Gln Gln Ser Thr Phe Leu Val Val Cys Leu
35 40

<210> 277
<211> 43
<212> PRT
<213> Homo sapiens

<400> 277
Lys Gly Lys Ile His Phe Leu Phe Val Leu Phe Leu Thr Asp Leu Thr
1 5 10 15

Ile Thr Phe Phe Lys Ile Val Ile Thr Thr Met His Ser Ile Arg Tyr
20 25 30

Lys Cys Ile Leu Phe Cys Met Phe Met His Lys
35 40

<210> 278
<211> 41
<212> PRT
<213> Homo sapiens

<400> 278
Met Pro Ile Leu Leu Leu Asn Leu Ala Phe Thr Asn Ser His Leu Glu
1 5 10 15

Ala Gln Gln Val His Lys Pro Tyr Phe Gly Tyr Arg Gly Asn His Cys
20 25 30

His Pro Ser Pro Met Trp Cys Ala Gln
35 40

<210> 279
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 279
 Met Thr Gly Thr Cys His His Ser Leu Phe Ser Phe Leu Ile Phe Ser
 1 5 10 15
 Phe Phe Leu Ala Ile Gly Ser Pro Phe Val Ala Gln Val Gly Leu Glu
 20 25 30
 Leu Leu Gly Ser Asn Asp Pro Leu Ala Ser Ala Ser Gln Ser Val Arg
 35 40 45
 Ile Thr Gly Met Ser Tyr Cys Ala Trp Pro Lys Ser Tyr Ser Tyr His
 50 55 60

<210> 280
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 280
 Met Val Ser Ser Cys Trp Pro Gly Trp Ser Pro Ser Leu Asp Leu Val
 1 5 10 15
 Ile Leu Ala Leu Trp Glu Ala Lys Ala Gly Gly Ser Phe Glu Leu Arg
 20 25 30
 Ser Ser Arg Pro Pro Ser Gln His Asn Glu Ser Thr Leu Glu Ala Arg
 35 40 45
 Ser Gly Trp Ile Thr Arg Ser Gly Asp Arg Asp His Pro Gly
 50 55 60

<210> 281
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 281
 Met Lys Val Asn Leu Asn Ile Asn Leu Leu Ile Ile Lys Ser Leu Ser
 1 5 10 15
 Ala Ser Ala Gly Ala Met Asn Ser Glu Trp Glu Ile Ala Ser Gly Glu
 20 25 30
 Trp

<210> 282
 <211> 170
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (158)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 282
 Met Asn His Pro Pro Glu Gly Ser Thr Val Val Phe Phe Xaa Leu Phe
 1 5 10 15
 Phe Phe Phe Glu Thr Val Leu Leu Cys Pro Gly Trp Ser Ala Val
 20 25 30
 Val Gln Ser Arg Leu Ala Ala Thr Ser Ala Ser Trp Phe Lys Arg Phe
 35 40 45
 Ser Phe Leu Ser Leu Leu Ser Ser Trp Glu Tyr Gly Cys Ala Pro Pro
 50 55 60
 Arg Leu Ala Asn Phe Cys Ile Phe Ser Arg Asp Gly Val Ser Pro Cys
 65 70 75 80
 Trp Pro Gly Trp Ser Arg Met Pro Asp Leu Val Val His Pro Xaa Arg
 85 90 95
 Pro Pro Lys Val Leu Gly Leu Gln Val Cys Ala Ala Ala Pro Gly Gln
 100 105 110
 Ala Phe Phe Ser Leu Gly Leu Leu Trp Pro Pro Arg Leu Gly Thr Arg
 115 120 125
 Gly Pro Pro Gly Thr Gly Ile Pro Ser Cys Thr Leu Ile His Gly Ala
 130 135 140
 Leu Xaa Glu Met Gln Val Leu Gln Gly Thr Gly Phe His Xaa Phe Trp
 145 150 155 160
 Gly Asp Gln Pro Ser Ser Pro Arg Ile Pro
 165 170

 <210> 283
 <211> 41
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 283
 Met Leu Leu Xaa Pro Asp Val Ala Asp Xaa Pro Cys Gly Xaa Lys Arg
 1 5 10 15
 Lys Pro Xaa Leu Leu Met Leu Ile Ile Pro Leu Ser Ser Gln Pro Leu
 20 25 30
 Tyr Ile Lys Ala Ser Gly Thr Lys Arg
 35 40

<210> 284
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 284
 Gly Arg Ile Arg Phe Tyr Ala Phe Phe Val Phe Cys Phe Val Leu Arg
 1 5 10 15
 Gln Ser Leu Thr Leu Ser Pro Arg Leu Glu Tyr Ser Gly Met Ile Ser
 20 25 30
 Ala His Cys Ser Leu Cys Leu Pro Gly Ser Ser Asp Ser Leu Ala Ser
 35 40 45
 Ala Ser
 50

<210> 285
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 285
 Met Lys Trp Cys His Phe Leu Leu Ile Val Phe Leu Ser Pro Phe Ile
 1 5 10 15
 Phe Cys Leu Phe Gln Gly Cys Phe Phe Pro Ile Ser Lys
 20 25 30

<210> 286
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 286
 Met Gln His Gln Gln Met Gln
 1 5

<210> 287
 <211> 83
 <212> PRT

<213> Homo sapiens

<400> 287

```
Met Gly Gln Cys Pro Gly Ser Arg Val Leu Pro Gln Leu Met Gln Leu
 1          5          10          15

Trp Leu Leu Leu Cys Ala Gln Ile Met Cys Leu Glu Ala Phe Leu Gln
          20          25          30

Gln Gly Ser Val Arg Lys Trp Lys Ser Gly Val Ser Ser Phe Pro Gly
          35          40          45

Glu Ser Leu Ala Glu Gln Leu Thr Leu Ser Lys His Cys Arg Trp Pro
          50          55          60

Leu Phe Leu Pro Gly Ser Ser Ser Trp Glu Leu Ser Ala Pro Gly Lys
          65          70          75          80

Phe Trp Gln
```

<210> 288

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 288

```
Met Lys Arg Tyr Asn Ser Leu Gln Arg Thr Gln Leu Val Leu Leu Ala
 1          5          10          15

Leu Arg Xaa Xaa Thr Val Ser Ala Ser Ser Ser Cys Ser Leu Ser Ser
          20          25          30
```

<210> 289

<211> 130

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 289

```
Met Arg Tyr Asn Glu Lys Glu Leu Gln Ala Leu Ser Arg Gln Pro Ala
 1          5          10          15

Glu Met Ala Ala Glu Leu Gly Met Arg Gly Pro Lys Lys Gly Xaa Asp
          20          25          30

Glu Ala Glu Pro Val Gly Ala Leu Leu Leu Glu Arg Cys Arg Val Val
```


35 40 45
 Arg Glu Glu Pro Gly Thr Phe Ser Ile Ser Phe Ile Glu Asp Pro Glu
 50 55 60
 Arg Lys Tyr His Phe Glu Cys Ser Ser Glu Glu Gln Cys Gln Glu Trp
 65 70 75 80
 Met Glu Ala Leu Arg Arg Ala Ser Tyr Glu Phe Met Arg Arg Ser Leu
 85 90 95
 Ile Phe Tyr Arg Asn Glu Ile Arg Lys Val Thr Gly Lys Asp Pro Leu
 100 105 110
 Glu Gln Phe Gly Ile Ser Glu Glu Ala Arg Phe Gln Leu Ser Gly Leu
 115 120 125
 Gln Ala
 130

<210> 290
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 290
 Gly Ser Arg Trp Ala Ala Leu Gln Ala Gly Pro Leu Trp Pro Ser Ile
 1 5 10 15
 Gly Phe Val Val Asn Met Leu Cys Gly Val Thr Thr Ser Asn Gly Gly
 20 25 30
 Pro Asn Thr Tyr Ile His Leu
 35

<210> 291
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 291
 Ile Phe Ile Tyr Leu Leu Met
 1 5

<210> 292
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 292
 Met Lys Ala Leu Arg Leu Ser Ala Ser Ala Leu Phe Cys Leu Leu Leu
 1 5 10 15
 Ile Asn Gly Leu Gly Ala Ala Pro Pro Gly Arg Pro Glu Ala Gln Leu
 20 25 30
 Leu Leu Ser Ala Leu Ser Ile Lys Ser Arg
 35 40

<210> 293
 <211> 41
 <212> PRT

<213> Homo sapiens

<400> 293

Met Arg Gly Lys Phe Pro His Asp Leu Leu Cys Phe Leu Ile Lys Leu
1 5 10 15

Leu Cys Pro Thr Ile Ala Gly Ser Ala Tyr Gly Cys Cys Asn Val Gly
20 25 30

Ser Ala Val Ser Cys Ser Tyr His Phe
35 40

<210> 294

<211> 21

<212> PRT

<213> Homo sapiens

<400> 294

Phe Ile Pro Asp Lys Arg Arg Pro Thr Leu Met Leu Gly Ile Leu Pro
1 5 10 15

Ser Leu Pro Val Pro
20

<210> 295

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 295

Met Xaa Phe Phe Ala Val Leu Ser Ser Phe Pro Ser Arg Gly Lys Arg
1 5 10 15

Ala Glu Ala Gln Ser Leu Val Cys Trp Arg Asn Arg Arg Val Val
20 25 30

Gly Gly Leu Glu Ala Arg Ala Val Lys
35 40

<210> 296

<211> 49

<212> PRT

<213> Homo sapiens

<400> 296

Met Cys His Leu Cys Val His Val Gly Leu Leu Val Ser Leu Phe Pro
1 5 10 15

Ser Gln Ala Ala Gly Phe Val Trp Met Arg Met Ala Pro Phe Leu Phe
20 25 30

Thr Asp Arg Tyr Ser Val Pro Ser Thr Val Pro Gly Thr Gln Glu Val
35 40 45

Leu

<210> 297
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 297
 Gly Asp Trp Ala Phe Leu Phe Trp Met Trp Leu Ala Gly Ala Ala Leu
 1 5 10 15

Gly Ser Pro Ala
 20

<210> 298
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 298
 Met Gly Ala Gln Gly Gly Pro Pro Glu Glu Pro Leu Phe Tyr Val Ala
 1 5 10 15

Leu Val Val Phe His Gly Trp Cys Ser Gly Ser Pro Tyr Gln Glu Glu
 20 25 30

Ala Pro Pro Cys Glu Gly Gly Gly Pro Glu Gly Gly Pro Arg Lys Pro
 35 40 45

Asp Gln Glu Pro Gly Asn Gln Val Gln Asp Leu Pro Gly His Ala Arg
 50 55 60

Val
 65

<210> 299
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE.
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 299
 Met Val Leu His Cys Ile Ala Trp Leu Gln Xaa Gly Ile Ser Phe Leu
 1 5 10 15

Phe Leu Phe Leu Cys Val Ile Ala Ile Gly Ala Thr Asn Phe Ala Ser
 20 25 30

Pro Xaa Phe Tyr Lys Leu Val Ser Ser Gly Val Ala
 35 40

<210> 300
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 300
 Met Gly Ile Gln Leu Ala Leu Ala Pro Ala Leu Ser Trp Gly Cys Ser
 1 5 10 15
 Ser Ala Ser Cys Pro Val Cys Cys Gly Lys Thr Glu Pro Leu Val Arg
 20 25 30
 Leu Ala Arg Arg Arg Arg Ser Arg Arg Gln Ala Ala Gln Ile Trp Glu
 35 40 45
 Leu Ser Ala Ile Val Pro Ser Val
 50 55

<210> 301
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 301
 Met Pro His Leu Phe Phe Leu Phe Leu Ser Thr Asn His Phe Leu Leu
 1 5 10 15
 Ser Thr Pro Tyr Leu Ile Ser Leu Ile Thr Gly Pro Pro Asn Ser Xaa
 20 25 30
 Leu Arg Gln His
 35

<210> 302
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 302
 Met Leu Tyr Ile Phe Ile Phe Val Leu Phe Leu Gly Lys Asn Thr Gln
 1 5 10 15
 Lys Ala Lys His Pro Gln Met Val Leu Leu Tyr Ser Ala Glu Gly Asn
 20 25 30
 Phe Lys Phe Gln Ile Arg Val Thr Asn Ala Ala Leu
 35 40

<210> 303
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 303
 Met Gly Ser Leu Ser Gly His Ala Tyr Ser Cys Leu Leu Val Phe Leu
 1 5 10 15
 Leu Thr Val Ser Pro Leu Cys Cys Gln Tyr Thr Gly Val Cys Trp Arg
 20 25 30
 Phe Thr Pro Asp Pro Val Cys Leu Gly Ile Thr Ser Gly Gly Cys Arg
 35 40 45

Thr Ala Lys Ile Ala Ala Ser Cys Phe Leu Trp Lys Leu Cys Pro Arg
 50 55 60
 Gly Ala Pro Ala Arg Cys Gln Pro Glu Leu Ser Cys Arg Arg Cys Leu
 65 70 75 80
 Ser Ala Ser Thr Gly Arg Cys Leu Pro Val Arg Ile His Arg Gly Gln
 85 90 95
 Gly Pro Thr Arg
 100

<210> 304
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 304
 Met Cys Leu Phe Leu Trp Phe Leu Tyr Lys Ser Ser Asn Thr Ser Ile
 1 5 10 15
 Phe Leu Leu Leu Leu Ile Leu Gln Asn Val Glu Gln Phe Ala Glu Tyr
 20 25 30

<210> 305
 <211> 205
 <212> PRT
 <213> Homo sapiens

<400> 305
 Met Pro Gly His Val Pro Leu Cys Pro Leu Val Leu Gln Val Pro Ser
 1 5 10 15
 Pro Ala Ser Gly Ala Arg Gln Leu Ala Thr Trp Glu Gly Arg Ser Gln
 20 25 30
 Glu Phe His Thr Leu Val Leu Arg Pro Glu Pro Ala Leu Arg Leu Pro
 35 40 45
 Ala Pro Gln Asp Thr Ala Gly Cys Trp Thr Pro Ser Ser Leu Val Cys
 50 55 60
 Val Cys Val Ala Glu Lys Asp Lys Thr Val Gln Ser Ala Ala Tyr Ser
 65 70 75 80
 Gln Ser Gly Val Trp Ser Val Cys Leu Leu Cys Gly Ser Ser Arg
 85 90 95
 Thr Thr Ser Phe Leu Val Leu Phe Gly Phe Trp His Leu Val Phe Leu
 100 105 110
 Thr Thr Asn Asn Gly Glu Lys Glu Leu Ile Leu Ser Asp Thr Glu Asp
 115 120 125
 Cys Leu Thr Leu Val Ser Val Arg Ser His Lys Arg Glu Thr Glu Phe
 130 135 140
 Cys Gly Ser Ala His Arg Thr Asp Pro Gln Pro Arg Gln Arg Val Cys
 145 150 155 160
 Gly Asp Gly Ala Leu Ser Cys Gln Gly Ala Pro Gly Ala Glu Pro Gly

165 170 175
 Pro Gly Glu Leu Ala Trp Ser Pro Gln Asp Ser Ala Ala Trp Thr Val
 180 185 190
 Thr Leu Ala Leu Phe Leu Leu Gln Ala Arg Asn His Ile
 195 200 205

<210> 306
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 306
 Met Tyr Phe Phe Tyr Leu Thr Val Phe Phe Cys Ser Leu Leu Pro Gln
 1 5 10 15
 Thr Pro Ala Ser Gly Thr Ile Ser Phe Thr Ser Ser
 20 25

<210> 307
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 307
 Met Arg Ala Leu Pro Ser Gly Cys Leu Pro Thr Leu Cys Ser Cys Gly
 1 5 10 15
 Leu Ser Leu Val His Gly His Gly Gly Glu Ile Val Gln Thr Leu Trp
 20 25 30
 Cys Leu Phe Leu
 35

<210> 308
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 308
 Phe Leu Lys Ser Lys Ala Gly Ala Leu Pro Thr Gly Ser Pro Thr Val
 1 5 10 15
 Xaa Ile Leu Asn Ile Leu Leu Ser Val Ser Gly Cys Leu Leu Ser Cys
 20 25 30
 Tyr Arg Gly Ser Asn Cys Leu His Pro Leu Gln Asn Met Gly Ala Pro
 35 40 45
 Lys Leu Trp Ile Phe Ser His Arg Lys Thr Arg Leu Gly Ala Val Ala
 50 55 60
 Pro Thr Tyr Asn Pro Ser Thr Leu Gly Gly
 65 70

<210> 309

<211> 364
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (297)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 309

```
Met Leu Pro Thr Phe Leu Leu Met Asn Leu Leu Ser Leu Ala Gly Asp
 1          5          10
Val Ala Leu Gln Gln Leu Val His Leu Gln Ala Val Ser Gly Glu
          20          25          30
Leu Cys Arg Arg Arg Val Leu Arg Glu Gln Gln His Lys Thr Lys
          35          40          45
Asp Pro Lys Glu Lys Asn Thr Ser Ser Glu Thr Thr Met Glu Glu Glu
          50          55          60
Leu Gly Leu Val Gly Ala Thr Ala Asp Asp Thr Glu Ala Glu Leu Ile
 65          70          75          80
Arg Gly Ile Cys Glu Met Glu Leu Leu Asp Gly Lys Gln Thr Leu Ala
          85          90          95
Ala Phe Val Pro Leu Leu Leu Lys Val Cys Asn Asn Pro Gly Leu Tyr
          100          105          110
Ser Asn Pro Asp Leu Ser Ala Ala Ala Ser Leu Ala Leu Gly Lys Phe
          115          120          125
Cys Met Ile Ser Ala Thr Phe Cys Asp Ser Gln Leu Arg Leu Leu Phe
          130          135          140
Thr Met Leu Glu Lys Ser Pro Leu Pro Ile Val Arg Ser Asn Leu Met
          145          150          155          160
Val Ala Thr Gly Asp Leu Ala Ile Arg Phe Pro Asn Leu Val Asp Pro
          165          170          175
Trp Thr Pro His Leu Tyr Ala Arg Leu Arg Asp Pro Ala Gln Val
          180          185          190
Arg Lys Thr Ala Gly Leu Val Met Thr His Leu Ile Leu Lys Asp Met
          195          200          205
Val Lys Val Lys Gly Gln Val Ser Glu Met Ala Val Leu Leu Ile Asp
          210          215          220
Pro Glu Pro Gln Ile Ala Ala Leu Ala Lys Asn Phe Phe Asn Glu Leu
          225          230          235          240
Ser His Lys Gly Asn Ala Ile Tyr Asn Leu Leu Pro Asp Ile Ile Ser
          245          250          255
Arg Leu Ser Asp Pro Glu Leu Gly Val Glu Glu Glu Pro Phe His Thr
          260          265          270
Ile Met Lys Gln Leu Leu Ser Tyr Ile Thr Lys Asp Lys Gln Thr Glu
          275          280          285
Ser Leu Val Glu Lys Leu Cys Gln Xaa Phe Arg Thr Ser Arg Thr Glu
          290          295          300
```

Arg His Ser Glu Thr Trp Pro Thr Val Cys His Ser Cys Pro Ser Gln
305 310 315 320

Ser Glu Ala Ser Val Arg Cys Leu Thr Ile Leu Thr Val Leu Glu Thr
325 330 335

Asn Cys Gln Met Ser Pro Ser Ser Val Leu Phe Cys Gln Leu Trp Ala
340 345 350

Ser Cys Asp Val Gly Pro Ser Leu Arg Ala Arg Leu
355 360

<210> 310

<211> 35

<212> PRT

<213> Homo sapiens

<400> 310

Met Lys Leu Glu Asn Tyr Leu Phe Glu Ser Leu Ser Leu Ile Ile Val
1 5 10 15

Val Trp Ser Leu Ser Asn Ser Ser Glu Val Cys Arg Lys Val Lys Gln
20 25 30

Ile Val Gly
35

<210> 311

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 311

Met Ala Tyr Ser Phe His Ala Phe Leu Phe Phe Phe Phe Phe Trp
1 5 10 15

Gly Gly Gly Lys Xaa Xaa Pro
20

<210> 312

<211> 223

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (203)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (223)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 312

Met Leu Thr Arg Lys Glu Thr Glu His Val Ser Ala Leu Ile Leu Arg
1 5 10 15

Ala Phe Leu Leu Thr Ile Pro Glu Asn Ala Glu Gly His Ile Ile Leu
20 25 30

Gly Lys Ser Leu Ile Val Pro Leu Lys Gly Gln Arg Val Ile Asp Ser
35 40 45

Thr Val Leu Pro Gly Ile Leu Ile Glu Met Ser Glu Val Gln Leu Met
50 55 60

Arg Leu Leu Pro Ile Lys Lys Ser Thr Ala Leu Lys Val Ala Leu Phe
65 70 75 80

Cys Thr Thr Leu Ser Gly Asp Thr Ser Asp Thr Gly Glu Gly Thr Val
85 90 95

Val Val Ser Tyr Gly Val Ser Leu Glu Asn Ala Val Leu Asp Gln Leu
100 105 110

Leu Asn Leu Gly Arg Gln Leu Ile Ser Asp His Val Asp Leu Val Leu
115 120 125

Cys Gln Lys Val Ile His Pro Ser Leu Lys Gln Phe Leu Asn Met His
130 135 140

Arg Ile Ile Ala Ile Asp Arg Ile Gly Val Thr Leu Met Glu Pro Leu
145 150 155 160

Thr Lys Met Thr Gly Thr Gln Pro Ile Gly Ser Leu Gly Ser Ile Cys
165 170 175

Pro Asn Ser Tyr Gly Ser Val Lys Asp Val Cys Thr Ala Lys Phe Gly
180 185 190

Ser Lys His Phe Phe His Leu Ile Pro Asn Xaa Ala Thr Ile Cys Ser
195 200 205

Leu Leu Leu Cys Asn Arg Asn Glu Gly Val Ser Arg Xaa Leu Xaa
210 215 220

<210> 313

<211> 37

<212> PRT

<213> Homo sapiens

<400> 313

Met Phe Gly Gln Gly Leu Leu Val Leu Leu Gly Phe Trp Val Glu Gly
1 5 10 15

Ala Arg Arg Gly Trp Ser Pro Pro Ile Phe Leu Phe Pro Val His Val
20 25 30

Thr Leu Phe Tyr Arg
35

$\langle 220 \rangle$

<221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (215)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 316
 Met Gly Gly Leu Ile Ile Leu Phe Leu Ile Ala Ile Ile Trp Phe Pro
 1 5 10 15
 Leu Leu Phe Met Ser Leu Val Arg Ser Val Val Gly Val Val Asn Gln
 20 25 30
 Pro Ile Asp Val Thr Val Thr Leu Lys Leu Gly Gly Tyr Glu Pro Leu
 35 40 45
 Phe Thr Met Ser Ala Gln Gln Pro Ser Ile Ile Pro Phe Thr Ala Gln
 50 55 60
 Ala Tyr Glu Glu Leu Ser Arg Gln Phe Asp Pro Gln Pro Leu Ala Met
 65 70 75 80
 Gln Phe Ile Ser Gln Tyr Ser Pro Glu Asp Ile Val Thr Ala Gln Ile
 85 90 95
 Glu Gly Ser Ser Gly Ala Leu Trp Arg Ile Ser Pro Pro Ser Arg Ala
 100 105 110
 Gln Met Lys Arg Xaa Ser Thr Thr Ala Arg Pro Thr Ser Pro Cys Ala
 115 120 125
 Ser Pro Gly Thr Ser Arg Gly Thr Trp Arg Arg Glu Ala Leu Trp Ser
 130 135 140
 Met Pro Thr Arg Ser Thr Cys Trp Pro Trp Pro Gln Gln His Cys Thr
 145 150 155 160
 Ala Ala Val Ala Ser Leu Leu Glu Gly Thr Ser Asp Gln Ser Val Val
 165 170 175
 Ile Pro Asn Leu Phe Pro Lys Tyr Ile Arg Ala Pro Asn Gly Pro Glu
 180 185 190
 Ala Asn Pro Val Lys Gln Leu Gln Pro Asn Glu Glu Ala Asp Tyr Leu
 195 200 205
 Gly Val Arg Ile Gln Leu Xaa Arg Glu Gln Gly Ala Gly Ala Thr Gly
 210 215 220
 Phe Pro Arg Met Val Gly His Arg Ala Ala Gly Val Pro Asp Arg Leu
 225 230 235 240
 Gln Pro Cys Cys Pro Trp Ser Phe
 245

<210> 317
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 317

Met His Cys Leu Ile Ser Phe Leu Ala Leu Ser Leu Phe Leu Phe Val
1 5 10 15

Leu Phe Xaa Pro Phe Ser Leu Pro Ile Lys Asn Ile Cys
20 25

<210> 318

<211> 35

<212> PRT

<213> Homo sapiens

<400> 318

Met Gly Ala Asn Ser Leu Leu His Glu Thr Arg Ala Leu Phe Leu His
1 5 10 15

Leu Met Gln Pro Leu Leu Gly Glu Glu Val Gly Ile Ile Gly Asn Lys
20 25 30

Gln Gln Phe
35

<210> 319

<211> 35

<212> PRT

<213> Homo sapiens

<400> 319

Met Leu Cys Pro Tyr Thr Leu Phe Ser Trp Phe Leu Ser Pro Leu Leu
1 5 10 15

Cys Leu Gln Gly Trp Ala Ala Ala Thr Ala Leu Ala Ser Ser Leu Ser
20 25 30

Ala Ser Glu
35

<210> 320

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 320

Met Ala Ile Arg Cys Cys Ser Ser Thr Ser Asn Ala Leu Ile Leu Ile
1 5 10 15

Leu Phe Xaa Trp Thr Val Leu Leu Ser Ser Ser Xaa Ile Gln Xaa Leu
 20 25 30

Pro Ala Leu Leu
 35

<210> 321
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 321
 Met Ser Val Trp Cys Gly Leu Cys Leu Met Ser Phe Leu Thr Phe Arg
 1 5 10 15

Cys Arg Leu Phe Gln Leu Leu Leu Phe His Phe Pro Glu Asp Leu Cys
 20 25 30

Phe Cys Leu Pro Cys Glu Gln Ala Phe Gly Arg Thr Cys Leu Met Gln
 35 40 45

Lys Arg Lys
 50

<210> 322
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 322
 Met Arg His Arg Ala Arg Arg Phe Phe Phe Phe Phe Leu Ser Gly
 1 5 10 15

Ile Trp Ala Gly His Gly Gly Ser Cys Leu
 20 25

<210> 323
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 323
 Met Leu Thr Leu Val Ser Phe Val Phe Leu Leu Leu Leu Glu Ser
 1 5 10 15

Met Ile

<210> 324
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 324
 Met Ala Ala Leu Leu Leu Thr Leu Ile Leu Gly Thr Leu His Gln Gln
 1 5 10 15

Lys Gly Leu His Val Gln Ser Pro Ile Pro Ser Pro Phe Trp Gly Gly
 20 25 30

Glu Ala Tyr Leu Thr Asp Gly Asp Leu Glu Ala Gln Gly Gly

45

Ser Gln Ala Ala Gly Phe Val Trp Met Arg Met Ala Pro Phe Leu Phe

Leu Trp Ser Val Gln Ala Asp Ser Pro Cys Val Ala Asn Trp Pro Asp

130	135	140
Leu Leu Ser Gln Cys Gly Cys Gly Leu Tyr Asn Ser Gln Glu Glu Leu		
145	150	155
Asn Trp Ser Phe Leu Arg Ser Thr Arg Arg Pro Phe Val Pro Gln Ser		
	165	170
Cys Leu Pro His Glu Ala Val Gly Ser Ala Ser Asn Leu Thr Leu Asp		
	180	185
Cys Leu Thr Ala Lys Leu Ser Gly Leu Gln Val Ala Val Glu Thr Ala		
	195	200
Asn Leu Ile Leu Asp Leu Ser Tyr Val Ile Glu Asp Lys Asn		
	210	215

<210> 331
 <211> 155
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 331
 Gln Gly Asn Ser Ala Arg Ala Leu Lys Val Phe Asn Ile Xaa Val Leu
 1 5 10 15

Xaa Pro Ser Gly Asn Tyr Xaa Met Ile Tyr Leu Ile Arg Val Gly Met
 20 25 30

Glu Trp Ile His Leu Xaa Asp Ala Lys Gln Pro Glu Xaa Ala Val Pro
 35 40 45

Arg Gly His Ile Ser Lys Trp Ser Glu Met Arg Phe Ala Val Val Phe
 50 55 60

Leu Met Gln Phe Pro Thr Ser Leu Gln Met Pro Phe Asp Ile Trp Gln
 65 70 75 80
 His Phe Met Pro Leu Pro Leu Ser Val Phe Ile Leu Val Phe Ser Pro
 85 90 95
 Phe Ser His Xaa Leu Gly Ser Leu Leu Gln Ser Arg Phe Ser Asp Phe
 100 105 110
 Arg Phe Phe Ser Leu Cys Pro Phe Pro Leu Cys Pro Val Thr Arg Ser
 115 120 125
 Thr Phe Trp His Arg Pro Ile Ser Gln Phe Pro Leu Ser Gln Val Gln
 130 135 140
 Gln His Leu Lys Asp Ile Tyr Lys Arg Asp Thr
 145 150 155

<210> 332
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 332
 Arg Ser Arg Glu Ile Glu Thr Arg Gly Leu Leu Ser Leu Phe Pro Pro
 1 5 10 15

Ala Ala

<210> 333
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 333
 Arg Ser Arg Glu Ile Glu Thr Arg Gly Leu Leu Ser Leu Phe Pro Pro
 1 5 10 15

Ala Ala Met His Pro Ala Ala Phe Pro Leu Pro Val Val Val Ala Ala
 20 25 30

Val Leu Trp Gly Ala Ala Pro Thr Arg Gly Leu Ile Arg Ala Thr Ser
 35 40 45

Asp His Asn Ala Ser Met Asp Phe Ala Asp Leu Pro Ala Leu Phe Gly
 50 55 60
 Ala Thr Leu Ser Gln Glu Gly Leu Gln Gly Phe Leu Val Glu Ala His
 65 70 75 80
 Pro Asp Asn Ala Cys Ser Pro Ile Ala Pro Xaa Pro Ala Pro Val
 85 90 95
 Asn Gly Ser Val Phe Ile Ala Leu Leu Xaa Arg Phe Asp Xaa Asn Phe
 100 105 110
 Xaa Leu Lys Val Leu Asn Ala Gln Lys Ala Gly Tyr Gly Ala Ala Val
 115 120 125
 Val His Asn Val Asn Ser Asn Glu Leu Leu Asn Met Val Leu
 130 135 140

<210> 334
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 334
 Leu Gln Gln Thr Met Gln Ala Met Leu His Phe Gly Gly Arg Leu Ala
 1 5 10 15
 Gln Ser Leu Arg Gly Thr Ser Lys Glu Ala Ala Ser Asp Pro Ser Asp
 20 25 30
 Ser Pro Asn Leu Pro Thr Pro Gly Ser Trp Trp
 35 40

<210> 335
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 335
 Glu Gln Leu Thr Gln Ala Ser Arg Val Tyr Ala Ser Gly Gly Thr Glu
 1 5 10 15
 Gly Phe Pro Leu Ser Arg Trp Ala Pro Gly Arg His Gly Thr Ala Ala
 20 25 30
 Glu Glu Gly Ala Gln Glu Arg Pro Leu Pro Thr Asp Glu
 35 40 45

<210> 336
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 336
 Met Ala Pro Gly Arg Gly Leu Trp Leu Gly Arg Leu Phe Gly Val Pro
 1 5 10 15
 Gly Gly Pro Ala Glu Asn Glu Asn Gly Ala Leu Lys Ser Arg Arg Pro
 20 25 30
 Ser Ser Trp Leu Pro Pro Thr Val Ser Val Leu Ala Leu
 35 40 45

<210> 337
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 337
 Val Lys Arg Gly Ala Pro Pro Glu Met Pro Ser Pro Gln Glu Leu Glu
 1 5 10 15
 Ala Ser Ala Pro Arg Met Val Gln Thr His Arg Ala Val Arg Ala Leu
 20 25 30
 Cys Asp His Thr Ala Ala Arg Pro Asp Gln Leu Ser
 35 40

<210> 338
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 338
 Phe Arg Arg Gly Glu Val Leu Arg Val Ile Thr Thr Val Asp Glu Asp
 1 5 10 15
 Trp Leu Arg Cys Gly Arg Asp Gly Met Glu Gly Leu Val Pro Val Gly
 20 25 30
 Tyr Thr Ser Leu Val Leu
 35

<210> 339
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 339
 Leu Gln Gln Thr Met Gln Ala Met Leu His Phe Gly Gly Arg Leu Ala
 1 5 10 15
 Gln Ser Leu Arg Gly Thr Ser Lys Glu Ala Ala Ser Asp Pro Ser Asp
 20 25 30
 Ser Pro Asn Leu Pro Thr Pro Gly Ser Trp Trp Glu Gln Leu Thr Gln
 35 40 45
 Ala Ser Arg Val Tyr Ala Ser Gly Gly Thr Glu Gly Phe Pro Leu Ser
 50 55 60
 Arg Trp Ala Pro Gly Arg His Gly Thr Ala Ala Glu Glu Gly Ala Gln
 65 70 75 80
 Glu Arg Pro Leu Pro Thr Asp Glu Met Ala Pro Gly Arg Gly Leu Trp
 85 90 95
 Leu Gly Arg Leu Phe Gly Val Pro Gly Gly Pro Ala Glu Asn Glu Asn
 100 105 110
 Gly Ala Leu Lys Ser Arg Arg Pro Ser Ser Trp Leu Pro Thr Val
 115 120 125
 Ser Val Leu Ala Leu Val Lys Arg Gly Ala Pro Pro Glu Met Pro Ser
 130 135 140

Pro Gln Glu Leu Glu Ala Ser Ala Pro Arg Met Val Gln Thr His Arg
145 150 155 160

Ala Val Arg Ala Leu Cys Asp His Thr Ala Ala Arg Pro Asp Gln Leu
165 170 175

Ser Phe Arg Arg Gly Glu Val Leu Arg Val Ile Thr Thr Val Asp Glu
180 185 190

Asp Trp Leu Arg Cys Gly Arg Asp Gly Met Glu Gly Leu Val Pro Val
195 200 205

Gly Tyr Thr Ser Leu Val Leu
210 215

<210> 340

<211> 21

<212> PRT

<213> Homo sapiens

<400> 340

Ile Pro Glu Lys Lys Tyr Pro Gln Pro Lys Gly Gln Lys Lys Lys Lys
1 5 10 15

Ile Val Lys Tyr Gly
20

<210> 341

<211> 11

<212> PRT

<213> Homo sapiens

<400> 341

Phe Cys Ser Ser Phe Thr Asn Ser Val Leu Ser
1 5 10

<210> 342

<211> 12

<212> PRT

<213> Homo sapiens

<400> 342

Ala Arg Gly Val Phe Val Cys Val Cys Gly Val Cys
1 5 10

<210> 343

<211> 21

<212> PRT

<213> Homo sapiens

<400> 343

Gln Val Tyr Ser Leu Asp Ser Ala Asp Ser Phe Gln Ser Phe Tyr Ser
1 5 10 15

Pro His Lys Ala Gln
20

<210> 344

<211> 229

<212> PRT

<213> Homo sapiens

<400> 344

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Met Thr Thr Ala Ala Arg Pro Thr Phe Glu Pro Ala Arg Gly Gly Arg
 1          5          10          15
Gly Lys Gly Glu Gly Asp Leu Ser Gln Leu Ser Lys Gln Tyr Ser Ser
          20          25          30
Arg Asp Leu Pro Ser His Thr Lys Ile Lys Tyr Arg Gln Thr Thr Gln
          35          40          45
Asp Ala Pro Glu Glu Val Arg Asn Arg Asp Phe Arg Arg Glu Leu Glu
          50          55          60
Glu Arg Glu Arg Ala Ala Ala Arg Glu Lys Asn Arg Asp Arg Pro Thr
          65          70          75          80
Arg Glu His Thr Thr Ser Ser Ser Val Ser Lys Lys Pro Arg Leu Asp
          85          90          95
Gln Ile Pro Ala Ala Asn Leu Asp Ala Asp Asp Pro Leu Thr Asp Glu
          100          105          110
Glu Asp Glu Asp Phe Glu Glu Glu Ser Asp Asp Asp Asp Thr Ala Ala
          115          120          125
Leu Leu Ala Glu Leu Glu Lys Ile Lys Lys Glu Arg Ala Glu Glu Gln
          130          135          140
Ala Arg Lys Glu Gln Glu Gln Lys Ala Glu Glu Glu Arg Ile Arg Met
          145          150          155          160
Glu Asn Ile Leu Ser Gly Asn Pro Leu Leu Asn Leu Thr Gly Pro Ser
          165          170          175
Gln Pro Gln Ala Asn Phe Lys Val Lys Arg Arg Trp Asp Asp Val
          180          185          190
Val Phe Lys Asn Cys Ala Lys Gly Val Asp Asp Gln Lys Lys Asp Lys
          195          200          205
Arg Phe Val Asn Asp Thr Leu Arg Ser Glu Phe His Lys Lys Phe Met
          210          215          220
Glu Lys Tyr Ile Lys
225

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<210> 345

<211> 130

<212> PRT

<213> Homo sapiens

<400> 345

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Gly Trp Asp Gly Pro Val Arg Leu Arg Arg Gly Phe Pro Leu Arg Met
 1          5          10          15
Phe Ser Ile Arg Ile Leu Ser Ser Ser Ala Phe Cys Ser Cys Ser Phe
          20          25          30
Leu Ala Cys Ser Ser Ala Leu Ser Phe Leu Ile Phe Ser Ser Ala
          35          40          45
Arg Arg Ala Ala Val Ser Ser Ser Ser Leu Ser Ser Ser Lys Ser Ser
          50          55          60

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Ser Ser Ser Ser Val Arg Gly Ser Ser Ala Ser Arg Leu Ala Ala Gly
 65 70 75 80
 Ile Trp Ser Asn Arg Gly Phe Phe Asp Thr Glu Glu Glu Val Val Cys
 85 90 95
 Ser Arg Val Gly Arg Ser Leu Phe Phe Ser Leu Ala Ala Ala Leu Ser
 100 105 110
 Leu Ser Ser Asn Ser Leu Leu Lys Ser Arg Leu Arg Thr Ser Ser Gly
 115 120 125
 Ala Ser
 130

<210> 346
 <211> 66
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 346
 Glu Phe Gly Thr Ser Asp Leu Val Pro Phe Val Lys Ile Glu Asn Asn
 1 5 10 15
 His Phe Val Phe Leu Cys Arg His Ser Leu Ala Val Gly Met His Ser
 20 25 30
 Ser Ala Glu Thr Leu Leu Cys Trp Pro Leu Phe Val Gly Val Ala Val
 35 40 45
 Gly Gly Gln Gly Ala Ser Ser Lys Ser Ser Ser Xaa Trp Thr Leu Ser
 50 55 60
 Arg Ala
 65

<210> 347
 <211> 81
 <212> PRT
 <213> Homo sapiens
 <400> 347
 Met Pro Pro Asp Ser Pro Gln Arg Trp Arg Trp Cys Trp Cys Trp
 1 5 10 15
 Pro Pro Pro Val Thr Tyr Ser Trp Glu Val Thr Pro Leu Leu Arg Ala
 20 25 30
 Met Leu Pro Gly Asp Gly Arg Val Gly Pro Ala Val Leu Val Arg Leu
 35 40 45
 Ser Arg Gly Val Ser Gly Ser Pro Phe Pro Ala Gly Gly Ser Pro Arg
 50 55 60
 Val Pro Ser Cys Ala Cys Ile Val Leu Thr Ser Arg Asn Gly Ser Ser
 65 70 75 80
 Trp

<210> 348
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 348
 Gly Thr Arg Ala Leu Ser Cys Met Pro Arg Val Leu His Glu Arg Ala
 1 5 10 15
 Pro Leu Val Met Pro Leu Asp Ala Ala Lys Ser Met Val Val Phe Asn
 20 25 30
 Phe Ala Ile Leu Leu Phe Phe Leu Pro Asp Pro Gly Met Ser Leu Asp
 35 40 45
 Ile Ala Lys Ile Tyr Phe Cys Ser
 50 55

<210> 349
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 349
 Ala Arg Ala Thr Pro Pro His Arg His Ser Pro Glu Pro Cys Gln Glu
 1 5 10 15
 Ala Ala Ser Thr Gln Pro Tyr Leu Glu Ala Pro Ala Pro Ser Pro Gly
 20 25 30
 Tyr His Ala Thr
 35

<210> 350
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 350
 His Glu Pro Pro His Pro Thr Ala Thr Ala Gln Ser Arg Ala Arg Lys
 1 5 10 15
 Pro Pro Arg Arg Ser Arg Ile Leu Arg Leu Gln Pro His Pro Gln Gly
 20 25 30
 Thr Thr Pro Arg Arg Asp Thr Ile Phe His Phe Val Phe Val Thr Pro
 35 40 45
 Lys Ala Cys Val Leu Ala Ala Pro Thr Leu Gly Cys Leu Gly Ala
 50 55 60

<210> 351
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 351
 Gly Arg Pro Thr Arg Pro Pro Thr Arg Pro Ala Gly Asp Lys Ile Tyr
 1 5 10 15

Val Val Lys Arg Glu Asn Ala Ile Phe Phe Arg
 20 25

<210> 352
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 352
 Ala Ile Ser Ala His Cys Asn Leu Cys Leu Leu Gly Leu Xaa Xaa Ser
 1 5 10 15

Xaa Xaa Ser Ala Ser Gln Val Gly Gly Thr Thr Gly Val Cys His His
 20 25 30

Ala Leu Leu Ile Leu Phe Val Phe Leu Val Glu Thr Gly Ile His His
 35 40 45

Ile Gly Gln Ser Gly Leu Lys Leu Leu Thr Ser Gly Asp Pro Pro Thr
 50 55 60

Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly
 65 70

<210> 353
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 353
 Asn Arg Asn Gln Tyr Val Thr Pro Leu Pro Thr Asn Ile Met Thr Leu
 1 5 10 15

His Ile Leu Leu Asn Leu Leu Tyr Phe Ser Leu Val Ala Phe Thr Thr
 20 25 30

Trp Leu Thr Val Tyr Leu Pro Ile Cys Tyr Cys Leu Pro Ile Pro Ala
 35 40 45

Gly Thr Gln Thr Leu Gly Arg Gln Arg Leu Cys Leu Ile His Tyr Cys
 50 55 60

Ile
 65

<210> 354
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 354
 Trp Gly Val Gly Leu His Ser Phe Pro Val Thr Pro Glu Thr Gln Glu
 1 5 10 15
 Gln Asp Ala Glu Ile Val Gln
 20

<210> 355
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 355
 Pro Val Thr Pro Glu Thr Gln Glu Gln Asp Ala Glu Ile Val Gln Val
 1 5 10 15
 Asn Ala Ala Leu Gln Leu Pro Val Met Gln Glu Gln Arg Val Pro Ile
 20 25 30
 Phe Gln Arg Ser Arg Gly Arg Asn Ser Ser Lys
 35 40

<210> 356
 <211> 154
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 356
 Ser Leu Ser Pro Cys Leu Phe Ser Asp Glu Ala Lys Trp Pro Gly Gly
 1 5 10 15
 Thr Leu Arg Thr Pro Ser Leu Gln Arg Gly Gly Gln Leu Gly Leu Ser
 20 25 30
 Pro Gln Cys Phe Leu Pro Val Thr Cys Val Leu Leu Ala Gly Val Gly
 35 40 45
 Gly Ala Gly Ile Leu Ala Leu Leu Gly Gly Arg Ala Gln Pro Glu Glu
 50 55 60
 Ala Glu Pro Gln Thr Gly Met Gly Phe Ser Xaa Val Gly Cys Gly Arg
 65 70 75 80
 Gly Asp Asp Ala Leu Phe Leu Ile Phe Asp Leu Phe Phe Gln Leu Asp
 85 90 95
 Phe Phe Pro Gly Leu Phe Leu Gly Pro Ala Ala Phe Val Ile Pro Arg

100	105	110
Pro Gly Pro Arg Pro Xaa Thr Ser Ser Ala Gly Ala Pro Pro Ala Val		
115	120	125
Gly Ser Gly Cys Asp Arg Ala Glu Val Leu Ser Gly Thr Leu Gly Ser		
130	135	140
Gln Pro Gly Asp Ser Glu Pro Arg Gly Arg		
145	150	

<210> 357

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 357

Pro Tyr Asp Glu Glu Ile Ile Thr Val Lys Tyr Glu Ala Gln Arg
1 5 10 15

Pro Thr Ile Asn Cys Pro Ile Ile Asn Val Glu Phe Lys Leu Asp Leu
20 25 30

Ser Leu Gly Arg Val Cys Thr Phe Tyr Cys Cys Ser Ile Ile Ile
35 40 45

Arg Gln Val Tyr Arg Lys Tyr Met Met Ser Thr Tyr Asn Pro Arg Ile
50 55 60

Lys Phe Tyr Ser His Ser Arg Ser His Tyr Tyr Leu His Ser Lys Lys
65 70 75 80

Leu Leu Asn Glu Gln Leu Lys Glu Xaa Thr Lys Xaa Xaa Lys Arg Ile
85 90 95

Gln Thr Gly Xaa Xaa Gln Thr Gly Ile Arg Glu Asp Met Arg Lys Met
100 105 110

Ile Asn Gln
115

<210> 358
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 358
 Pro Tyr Asp Glu Glu Ile Ile Thr Val Lys Lys Tyr Glu Ala Gln Arg
 1 5 10 15
 Pro Thr Ile Asn Cys Pro Ile Ile Asn Val Glu Phe Lys Leu Asp Leu
 20 25 30

Ser Leu

<210> 359
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 359
 Gly Arg Val Cys Thr Phe Tyr Cys Cys Cys Ser Ile Ile Ile Arg Gln
 1 5 10 15
 Val Tyr Arg Lys Tyr Met Met Ser Thr Tyr Asn Pro Arg Ile Lys Phe
 20 25 30

Tyr Ser

<210> 360
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 360
 His Ser Arg Ser His Tyr Tyr Leu His Ser Lys Lys Leu Leu Asn Glu

1 5 10 15
 Gln Leu Lys Glu Xaa Thr Lys Xaa Xaa Lys Arg Ile Gln Thr Gly Xaa
 20 25 30
 Xaa Gln Thr Gly Ile Arg Glu Asp Met Arg Lys Met Ile Asn Gln
 35 40 45

<210> 361
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 361
 Trp Gly Leu Val Thr Leu Ala Gly
 1 5

<210> 362
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 362
 Gly Ser Val Gly Xaa Asn Xaa Leu Thr Thr Xaa Ala Glu Asn Ile Xaa
 1 5 10 15

Val Met Ala Val Thr Lys Ile Tyr Ser Thr Leu Val Phe Val Ala Xaa
 20 25 30

Ala Val Ile Ala Met Leu Leu Gly Phe Ser Pro Lys Phe Gly Ala Leu
 35 40 45

Ile His Thr Ile Pro Ala Ala Val Ile Gly Gly Ala Ser Ile Val Val
 50 55 60

Phe Gly Leu Ile Ala Val Ala Gly Ala Arg Ile Trp Val Gln Asn Arg
 65 70 75 80

Val Asp Leu Ser Gln Asn Gly Asn Leu Ile

85

90

<210> 363
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 363
 Glu Ala Ala Gln Arg Gly Gln Val Gly Ser Asp Phe Ile Ile Asn
 1 5 10 15

<210> 364
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 364
 Arg Gln Gly Leu Ala Leu Leu Pro Arg Leu Glu Gly Ser Gly Met Ile
 1 5 10 15

Ile Ala His Cys Ser Leu Glu Leu Leu Asp Ser Ser Asp Pro Pro Thr
 20 25 30

Ser Thr Ser
 35

<210> 365
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 365
 Asp Tyr Arg His Val Pro Pro His Leu Ala Asn Phe Phe Cys Phe Val
 1 5 10 15

Asp Thr Gly Ser His Tyr Val Ala His Ala Ser Leu Glu Leu Leu Ala
 20 25 30

Ser Ser Gly Ser Pro Thr Xaa Ala Ser Gln Ser Thr Gly His Tyr Xaa
 35 40 45

Gln Glu Pro Pro Cys Leu Ala Ser Ile Leu Val Ile Asn Lys Glu Gln
 50 55 60

Leu Ser Pro Ile Ala Leu Gln
 65 70

<210> 366
 <211> 134
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 366
 Gly Thr Ser Ser Thr 5 Ser Gly Ser Gln Ser Leu Gly Ala Met Lys Cys
 1 10 15
 Ser Asn Asp Arg Pro Ile Trp Arg Arg His Asp Gly Trp Val Cys Arg
 20 25 30
 Thr Gln Leu Asn Ser Gly Ala Asp Leu Gly Met Ala Ile Arg Cys Cys
 35 40 45
 Ser Ser Thr Ser Asn Ala Leu Ile Leu Ile Leu Phe Thr Trp Thr Val
 50 55 60
 Leu Leu His His Pro Arg Ser Ser Ser Phe Leu Pro Ser Phe Lys Lys
 65 70 75 80
 Pro Ser Trp Thr Ser Pro Leu Gly Tyr Ala Ile Ile Ala Thr Pro Cys
 85 90 95
 Asn Ser Leu Ser Xaa His Leu Ser Cys Tyr Ile Glu Leu Ser Val Ser
 100 105 110
 Leu Thr Glu Cys Glu Pro Ala Leu Lys Leu Glu Val Arg Leu Gln Ala
 115 120 125
 Gly Gly Ile Val Leu Gly
 130

 <210> 367
 <211> 59
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 367
 Thr Arg Pro Tyr Tyr 5 Cys Asn Val Cys Asn Cys Leu Val Lys Asp Ser
 1 10 15
 Ile Asn Phe Leu Asp His Ile Asn Gly Lys Lys His Gln Arg Asn Leu
 20 25 30
 Gly Met Ser Met Arg Val Glu Arg Ser Thr Leu Xaa Ser Gly Glu Glu
 35 40 45
 Thr Phe Gly Gln Gln Glu Glu Asp Gly Arg Glu
 50 55

 <210> 368
 <211> 187
 <212> PRT
 <213> Homo sapiens

 <400> 368
 Arg Arg Lys Trp Asp Lys Asp Glu Tyr Glu Lys Leu Ala Glu Lys Arg
 1 5 10 15

Leu Thr Glu Glu Arg Glu Lys Lys Asp Gly Lys Pro Val Gln Pro Val
20 25 30

Lys Arg Glu Leu Leu Arg His Arg Asp Tyr Lys Val Asp Leu Glu Ser
35 40 45

Lys Leu Gly Lys Thr Ile Val Ile Thr Lys Thr Thr Pro Gln Ser Glu
50 55 60

Met Gly Gly Tyr Tyr Cys Asn Val Cys Asp Cys Val Val Lys Asp Ser
65 70 75 80

Ile Asn Phe Leu Asp His Ile Asn Gly Lys Lys His Gln Arg Asn Leu
85 90 95

Gly Met Ser Met Arg Val Glu Arg Ser Thr Leu Asp Gln Val Lys Lys
100 105 110

Arg Phe Glu Val Asn Lys Lys Lys Met Glu Glu Lys Gln Lys Asp Tyr
115 120 125

Asp Phe Glu Glu Arg Met Lys Glu Leu Arg Glu Glu Glu Lys Ala
130 135 140

Lys Ala Tyr Lys Lys Glu Lys Gln Lys Glu Lys Lys Arg Arg Ala Glu
145 150 155 160

Glu Asp Leu Thr Phe Glu Glu Asp Asp Glu Met Ala Ala Val Met Gly
165 170 175

Phe Ser Gly Phe Gly Ser Thr Lys Lys Ser Tyr
180 185

<210> 369

<211> 19

<212> PRT

<213> Homo sapiens

<400> 369

Leu Leu Thr Ser Gly Asp Pro Pro Thr Ser Ala Ser Gln Ser Val Gly
1 5 10 15

Ile Thr Gly

<210> 370

<211> 60

<212> PRT

<213> Homo sapiens

<400> 370

Met Glu Asn Trp Glu Leu Pro Trp Asn Leu Gln Gly Arg Ala Glu Glu
1 5 10 15

Lys Asn Asn Gly Ile His Ser Ser Ser His Phe Pro Asp Glu Asn Lys
20 25 30

Arg Thr Phe Ser Val Lys Ser Arg Lys Trp Leu Gln Trp Tyr Phe Gln
35 40 45

Pro Val Arg Ile Met Tyr Cys Pro Ser Pro Phe Tyr
50 55 60

<210> 371
 <211> 109
 <212> PRT
 <213> Homo sapiens

<400> 371
 Asp Asn Lys Thr Ala Leu Tyr Trp Ala Val Glu Lys Gly Asn Ala Thr
 1 5 10 15
 Met Val Arg Asp Ile Leu Gln Cys Asn Pro Asp Thr Glu Ile Cys Thr
 20 25 30
 Lys Asp Gly Glu Thr Pro Leu Ile Lys Ala Thr Lys Met Arg Asn Ile
 35 40 45
 Glu Val Val Glu Leu Leu Leu Asp Lys Gly Ala Lys Val Ser Ala Val
 50 55 60
 Asp Lys Lys Gly Asp Thr Pro Leu His Ile Ala Ile Arg Gly Arg Ser
 65 70 75 80
 Arg Lys Leu Ala Glu Leu Leu Leu Arg Asn Pro Lys Asp Gly Arg Leu
 85 90 95
 Leu Tyr Arg Pro Asn Lys Ala Gly Glu Thr Pro Leu Val
 100 105

<210> 372
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 372
 Asp Asn Lys Thr Ala Leu Tyr Trp Ala Val Glu Lys Gly Asn Ala Thr
 1 5 10 15
 Met Val Arg Asp Ile Leu Gln Cys Asn Pro Asp Thr Glu
 20 25

<210> 373
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 373
 Ile Cys Thr Lys Asp Gly Glu Thr Pro Leu Ile Lys Ala Thr Lys Met
 1 5 10 15
 Arg Asn Ile Glu Val Val Glu Leu Leu Asp Lys Gly
 20 25

<210> 374
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 374
 Ala Lys Val Ser Ala Val Asp Lys Lys Gly Asp Thr Pro Leu His Ile
 1 5 10 15
 Ala Ile Arg Gly Arg Ser Arg Lys Leu Ala Glu Leu Leu
 20 25

<210> 375
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 375
 Leu Arg Asn Pro Lys Asp Gly Arg Leu Leu Tyr Arg Pro Asn Lys Ala
 1 5 10 15

Gly Glu Thr Pro Leu Val
 20

<210> 376
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 376
 Lys Ala Gly Gln Lys Gln Asn Thr Gly Lys Leu Lys His Phe Gln Ala
 1 5 10 15

Met Lys

<210> 377
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 377
 Ile Arg His Glu Ser Ala Cys Lys Ala His Lys His Val Arg Ser Pro
 1 5 10 15

Gly Leu Gln Thr Asp Lys His Leu Ser Cys Ser Glu Tyr Leu Gln Val
 20 25 30

Pro Gly Leu Xaa Glu Gln Val Gln Lys Phe Leu Pro Ser Arg Ile Arg
 35 40 45

Val Phe Leu Phe Val Cys Phe Leu Thr His Xaa Tyr Val Asn Lys Glu
 50 55 60

Tyr Ala Phe Val Leu Ala Glu Glu Ala Ser Gly Lys Thr Thr Ser Lys
65 70 75 80

Leu Thr Met Val Thr Ser Arg Asn Gly Leu Gly Lys Pro Lys Asn Phe
85 90 95

Phe Val Phe Val Phe Phe Glu Ser Gly Ser Ser Ser Val Thr Gln Xaa
100 105 110

Gly Thr His Trp Cys Asp Xaa Gly Ser Leu Gln Pro
115 120

<210> 378

<211> 24

<212> PRT

<213> Homo sapiens

<400> 378

Leu Phe Leu Leu Gly Ile Glu Asn Gly Ser His His Leu Leu Asn Lys
1 5 10 15

Ile Leu Ser Gly Ser His Ser Glu
20

<210> 379

<211> 11

<212> PRT

<213> Homo sapiens

<400> 379

Arg Glu Val Gln Tyr Leu Phe Phe Val Gly Ile
1 5 10

<210> 380

<211> 32

<212> PRT

<213> Homo sapiens

<400> 380

Arg Arg Gly Phe His His Val Ser Gln Ala Gly Leu Glu Leu Leu Thr
1 5 10 15

Ser Gly Asp Pro Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly
20 25 30

<210> 381

<211> 25

<212> PRT

<213> Homo sapiens

<400> 381

Gly Ser Leu Ile Lys Leu Ile Gly Asp Leu Phe Phe His Pro Arg Asn
1 5 10 15

Trp Arg Ala Met Ile Ile Gly Ile Glu
20 25

<210> 382

<211> 46
 <212> PRT
 <213> Homo sapiens

<400> 382
 Thr Ser Glu Leu Gly Thr Val Asp Pro Arg Leu Pro Pro Pro Gly
 1 5 10 15
 Ser Gly Thr Arg Ser Ala Leu Pro Arg Gly Gly Arg Trp Ser Trp Ser
 20 25 30
 Leu Ala Tyr Leu Pro Arg Val Arg Gly Gly Cys Arg Gly Thr
 35 40 45

<210> 383
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 383
 Asp Pro Lys Val Gly Val Leu Glu Gly Arg Ser Phe Gly Leu Leu Thr
 1 5 10 15
 Gly Thr Lys Thr Lys Ile Pro Asn Lys Ile Pro Asn Lys Asn Val Asn
 20 25 30
 Arg Val Phe Ser Ser Ile Val Thr Glu Thr Leu Val Asn
 35 40 45

<210> 384
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 384
 Lys Tyr Phe Val Glu Met Glu Ser Cys His Leu Ala Gln Ala Gly Val
 1 5 10 15
 Cys Ile Leu Ile Lys Leu Phe Leu Lys His Lys Gly Ala Val Asn Arg
 20 25 30
 Met Met

<210> 385
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 385
 Arg Ile Ser Cys Pro Phe Tyr Leu Asn Ser Arg Arg Pro Arg Ser Cys
 1 5 10 15
 Ser Trp Thr Val Ile Lys Val Arg Asn Gly Arg Asn Ser Val Cys Lys
 20 25 30
 Gly Gly Thr Leu Pro Ala Ser Pro Asp Thr Ala Leu Pro Ala Ser Tyr
 35 40 45
 Arg Ala Thr His Ala Gln His Val Glu Gln Leu Val Arg Thr Ser Cys
 50 55 60

<210> 386
 <211> 256
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 386
 Met Lys Leu Leu Glu Asn Ser Ser Phe Glu Ala Ile Asn Ser Gln Leu
 1 5 10 15
 Thr Val Glu Thr Gly Asp Ala His Ile Ile Gly Arg Ile Glu Ser Tyr
 20 25 30
 Ser Cys Lys Met Ala Gly Asp Asp Lys His Met Phe Lys Gln Phe Cys
 35 40 45
 Gln Glu Gly Gln Pro His Val Leu Glu Ala Xaa Ser Pro Pro Gln Thr
 50 55 60
 Ser Gly Leu Ser Pro Ser Arg Leu Ser Lys Ser Gln Gly Gly Glu Glu
 65 70 75 80
 Glu Gly Pro Leu Ser Asp Lys Cys Ser Arg Lys Thr Leu Phe Tyr Leu
 85 90 95
 Ile Ala Thr Leu Asn Glu Ser Phe Arg Pro Asp Tyr Asp Phe Ser Thr
 100 105 110
 Ala Arg Ser His Glu Phe Ser Arg Glu Pro Ser Leu Ser Trp Trp Xaa
 115 120 125
 Asn Ala Val Asn Cys Ser Leu Phe Ser Ala Val Arg Glu Asp Phe Lys
 130 135 140
 Asp Leu Lys Pro Gln Leu Trp Asn Ala Val Asp Glu Glu Ile Cys Leu
 145 150 155 160
 Ala Glu Cys Asp Ile Tyr Ser Tyr Asn Pro Asp Leu Asp Ser Asp Pro
 165 170 175
 Phe Gly Glu Asp Gly Ser Leu Trp Ser Phe Asn Tyr Phe Phe Tyr Asn
 180 185 190
 Lys Arg Leu Lys Arg Ile Val Phe Phe Ser Cys Arg Ser Ile Ser Gly
 195 200 205
 Ser Thr Tyr Thr Pro Ser Glu Ala Gly Asn Glu Leu Asp Met Glu Leu
 210 215 220
 Gly Glu Glu Glu Val Glu Glu Glu Ser Arg Ser Arg Gly Ser Gly Ala
 225 230 235 240
 Glu Glu Thr Ser Thr Met Glu Glu Asp Arg Val Pro Val Ile Cys Ile
 245 250 255

<210> 387
 <211> 284
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (85)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (235)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (269)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (274)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 387
 Ile Leu Phe Leu Phe Ile Leu Leu Ser Val Phe Pro Val Thr Asn Arg
 1 5 10 15
 Ser Arg Asn Ser Gly Pro Phe Met Asn Ile Ser Arg Ser Ser Met Asp
 20 25 30
 Met Gln Lys Arg Asn Phe Pro Val Lys Phe Val Arg Arg Asn Ser Ile
 35 40 45
 Pro Trp Leu Met Cys Gly Asn Thr Trp Leu His Thr Gln Lys Thr Cys
 50 55 60
 His Tyr Met Arg Asn Leu Trp Lys Ile Ile Gln Thr His Met Ser Leu
 65 70 75 80
 Lys Val His Ser Xaa Gln His Ser Xaa Glu Lys Pro Phe Arg Cys Glu
 85 90 95
 Asn Cys Asp Glu Arg Phe Gln Tyr Lys Tyr Gln Leu Arg Ser His Met
 100 105 110
 Ser Ile His Ile Gly His Lys Gln Phe Met Cys Gln Trp Cys Gly Lys
 115 120 125
 Asp Phe Asn Met Lys Gln Tyr Phe Asp Glu His Met Lys Thr His Thr
 130 135 140
 Gly Glu Lys Pro Phe Ile Cys Glu Ile Cys Gly Lys Ser Phe Thr Ser
 145 150 155 160

Arg Pro Asn Met Lys Arg His Arg Arg Thr His Thr Gly Glu Lys Pro
165 170 175

Tyr Pro Cys Asp Val Cys Gly Gln Arg Phe Arg Phe Ser Asn Met Leu
180 185 190

Lys Ala His Lys Glu Lys Cys Phe Arg Val Thr Ser Pro Val Glu Cys
195 200 205

Ala Thr Cys Cys Pro Asp Pro Thr Tyr Asn Phe Pro Ser His Pro Ser
210 215 220

Ser Phe Cys Gly Glu His Ser His Asn Pro Xaa Pro Pro Ile Asn Met
225 230 235 240

Asn Pro Val Ser Thr Leu Pro Leu Gly Pro Ser Pro Thr Pro Ser His
245 250 255

Thr Ala His Pro Pro Thr Pro Ser Pro Pro Thr Pro Xaa Ser His Pro
260 265 270

Ser Xaa Pro Ser Pro Pro Ala Thr Ser Ser Ser Leu
275 280

<210> 388

<211> 37

<212> PRT

<213> Homo sapiens

<400> 388

Ile Leu Phe Leu Phe Ile Leu Leu Ser Val Phe Pro Val Thr Asn Arg
1 5 10 15

Ser Arg Asn Ser Gly Pro Phe Met Asn Ile Ser Arg Ser Ser Met Asp
20 25 30

Met Gln Lys Arg Asn
35

<210> 389 .

<211> 40

<212> PRT

<213> Homo sapiens

<400> 389

Phe Pro Val Lys Phe Val Arg Arg Asn Ser Ile Pro Trp Leu Met Cys
1 5 10 15

Gly Asn Thr Trp Leu His Thr Gln Lys Thr Cys His Tyr Met Arg Asn
20 25 30

Leu Trp Lys Ile Ile Gln Thr His
35 40

<210> 390

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 390
 Met Ser Leu Lys Val His Ser Xaa Gln His Ser Xaa Glu Lys Pro Phe
 1 5 10 15
 Arg Cys Glu Asn Cys Asp Glu Arg Phe Gln Tyr Lys Tyr Gln Leu Arg
 20 25 30
 Ser His Met Ser Ile His Ile Gly
 35 40

 <210> 391
 <211> 40
 <212> PRT
 <213> Homo sapiens

 <400> 391
 His Lys Gln Phe Met Cys Gln Trp Cys Gly Lys Asp Phe Asn Met Lys
 1 5 10 15
 Gln Tyr Phe Asp Glu His Met Lys Thr His Thr Gly Glu Lys Pro Phe
 20 25 30
 Ile Cys Glu Ile Cys Gly Lys Ser
 35 40

 <210> 392
 <211> 40
 <212> PRT
 <213> Homo sapiens

 <400> 392
 Phe Thr Ser Arg Pro Asn Met Lys Arg His Arg Arg Thr His Thr Gly
 1 5 10 15
 Glu Lys Pro Tyr Pro Cys Asp Val Cys Gly Gln Arg Phe Arg Phe Ser
 20 25 30
 Asn Met Leu Lys Lys Ala His Lys Glu
 35 40

 <210> 393
 <211> 40
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 393
 Lys Cys Phe Arg Val Thr Ser Pro Val Glu Cys Ala Thr Cys Cys Pro
 1 5 10 15
 Asp Pro Thr Tyr Asn Phe Pro Ser His Pro Ser Ser Phe Cys Gly Glu
 20 25 30

His Ser His Asn Pro Xaa Pro Pro
35 40

<210> 394

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 394

Ile Asn Met Asn Pro Val Ser Thr Leu Pro Leu Gly Pro Ser Pro Thr
1 5 10 15

Pro Ser His Thr Ala His Pro Pro Thr Pro Ser Pro Pro Thr Pro Xaa
20 25 30

Ser His Pro Ser Xaa Pro Ser Pro Pro Ala Thr Ser Ser Ser Leu
35 40 45

<210> 395

<211> 164

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE.

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 395

Asn Xaa Ser Val Lys Asp Ala Ala Lys Lys Gly Gln Lys Asp Val Cys
1 5 10 15

Ile Val Leu Ala Lys Glu Met Ile Arg Ser Arg Lys Ala Val Ser Lys
20 25 30

Leu Tyr Ala Ser Lys Ala His Met Asn Ser Val Leu Met Gly Met Lys
35 40 45

Asn Gln Leu Ala Val Leu Arg Val Ala Gly Ser Leu Gln Lys Ser Thr
50 55 60

Glu Val Met Lys Ala Met Gln Ser Leu Val Lys Ile Pro Glu Ile Gln
65 70 75 80

Ala Thr Met Arg Glu Leu Ser Lys Glu Met Met Lys Ala Gly Ile Ile
 85 90 95

Glu Glu Met Leu Glu Asp Thr Phe Glu Xaa Xaa Asp Thr Ser Leu Ser
 100 105 110

Pro Lys Val His Ser Leu His Glu Asp Ser Leu Trp Cys Cys Thr Leu
 115 120 125

Tyr Gly Leu Arg Gln Met Tyr Asp Asp Ile Tyr Asn Tyr Arg Ile Ile
 130 135 140

Gln Asn Ser Phe Thr Ala Leu Lys Leu Leu Tyr Ala Ser Pro Val His
 145 150 155 160

Pro Phe Leu Pro

<210> 396
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 396
 Lys Pro Glu Gly Ala Arg Arg Val Gln Phe Val Met Gly Leu Phe Gly
 1 5 10 15

Lys Thr Gln Glu Lys Pro Pro Lys Glu Leu Val Asn Glu Trp Ser Leu
 20 25 30

Lys Ile Arg Lys Glu Met Arg Val Val Asp Arg Gln Ile Arg Asp Ile
 35 40 45

Gln Arg Glu Glu Glu Lys Val Lys Arg Xaa Cys Glu Arg Cys Cys Gln
 50 55 60

Glu Gly Pro Glu Gly Cys Leu His Ser Ser Gly Gln Gly Asp Asp Gln
 65 70 75 80

Val Lys Glu Gly Cys Glu Gln Ala Val Cys Ile Gln Ser Thr His Glu
 85 90 95

Leu Ser Ala His Gly Asp Glu Glu Pro Ala Arg Gly Leu Ala Ser Gly
 100 105 110

Trp Phe Pro Ala Glu Glu His Arg Ser Asp Glu Gly His Ala Lys Ser
 115 120 125

Cys Glu Asp Ser Arg Asp Ser Gly His His Glu Gly Val Val Gln Arg
 130 135 140

Asn Asp Glu Gly Trp Asp His Arg Gly Asp Val Arg Gly His Phe
 145 150 155

<210> 397
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 397
 Asn Xaa Ser Val Lys Asp Ala Ala Lys Lys Gly Gln Lys Asp Val Cys
 1 5 10 15
 Ile Val Leu Ala Lys Glu Met Ile Arg Ser Arg Lys Ala Val Ser Lys
 20 25 30
 Leu

 <210> 398
 <211> 34
 <212> PRT
 <213> Homo sapiens

 <400> 398
 Tyr Ala Ser Lys Ala His Met Asn Ser Val Leu Met Gly Met Lys Asn
 1 5 10 15
 Gln Leu Ala Val Leu Arg Val Ala Gly Ser Leu Gln Lys Ser Thr Glu
 20 25 30
 Val Met

 <210> 399
 <211> 34
 <212> PRT
 <213> Homo sapiens

 <400> 399
 Lys Ala Met Gln Ser Leu Val Lys Ile Pro Glu Ile Gln Ala Thr Met
 1 5 10 15
 Arg Glu Leu Ser Lys Glu Met Met Lys Ala Gly Ile Ile Glu Glu Met
 20 25 30
 Leu Glu

 <210> 400
 <211> 34
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 400
 Asp Thr Phe Glu Xaa Asp Thr Ser Leu Ser Pro Lys Val His Ser
 1 5 10 15

Leu His Glu Asp Ser Leu Trp Cys Cys Thr Leu Tyr Gly Leu Arg Gln
 20 25 30

Met Tyr

<210> 401
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 401
 Asp Asp Ile Tyr Asn Tyr Arg Ile Ile Gln Asn Ser Phe Thr Ala Leu
 1 5 10 15

Lys Leu Leu Tyr Ala Ser Pro Val His Pro Phe Leu Pro
 20 25

<210> 402
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 402
 Lys Pro Glu Gly Ala Arg Arg Val Gln Phe Val Met Gly Leu Phe Gly
 1 5 10 15

Lys Thr Gln Glu Lys Pro Pro Lys Glu Leu Val Asn Glu Trp Ser Leu
 20 25 30

Lys Ile Arg
 35

<210> 403
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 403
 Lys Glu Met Arg Val Val Asp Arg Gln Ile Arg Asp Ile Gln Arg Glu
 1 5 10 15

Glu Glu Lys Val Lys Arg Xaa Cys Glu Arg Cys Cys Gln Glu Gly Pro
 20 25 30

Glu

<210> 404
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 404
 Gly Cys Leu His Ser Ser Gly Gln Gly Asp Asp Gln Val Lys Glu Gly
 1 5 10 15

Cys Glu Gln Ala Val Cys Ile Gln Ser Thr His Glu Leu Ser Ala His
 20 25 30

Gly

<210> 405
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 405
 Asp Glu Glu Pro Ala Arg Gly Leu Ala Ser Gly Trp Phe Pro Ala Glu
 1 5 10 15
 Glu His Arg Ser Asp Glu Gly His Ala Lys Ser Cys Glu Asp Ser Arg
 20 25 30

Asp

<210> 406
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 406
 Ser Gly His His Glu Gly Val Val Gln Arg Asn Asp Glu Gly Trp Asp
 1 5 10 15
 His Arg Gly Asp Val Arg Gly His Phe
 20 25

<210> 407
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 407
 Lys His Ile Gln Met Phe Gly Leu Lys Tyr Ser Leu Gly Cys Gln
 1 5 10 15

Ala

<210> 408
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 408
 Phe Ser Asn Ile Ile Met Gln Tyr Asn Lys
 1 5 10

<210> 409
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 409
 Thr Xaa Ser Asp Leu Xaa Pro Pro Gly Arg Pro Lys Arg Asp Thr Asp
 1 5 10 15
 Ser Leu Leu Phe Tyr Pro Gly Xaa Lys Glu Lys Pro Ile Leu Leu Thr
 20 25 30
 Lys Val Leu Asp Thr Thr Ala Ile Arg Asn Leu Leu Cys Glu Asn Lys
 35 40 45
 Glu Gln Gly Ser Arg Arg Val Gly Gln Arg Arg Val Arg Ser Trp Pro
 50 55 60
 Ser Val Arg Ala Thr Cys Gln Leu Ser Phe Val Pro Cys Asp Ile Lys
 65 70 75 80
 Thr Glu

 <210> 410
 <211> 473
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (405)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 410
 Met Ala Pro Thr Ile Gln Thr Gln Ala Gln Arg Glu Asp Gly His Arg
 1 5 10 15
 Pro Asn Ser His Arg Thr Leu Pro Glu Arg Ser Gly Val Val Cys Arg
 20 25 30
 Val Lys Tyr Cys Asn Ser Leu Pro Asp Ile Pro Phe Asp Pro Lys Phe
 35 40 45
 Ile Thr Tyr Pro Phe Asp Gln Asn Arg Phe Val Gln Tyr Lys Ala Thr
 50 55 60
 Ser Leu Glu Lys Gln His Lys His Asp Leu Leu Thr Glu Pro Asp Leu
 65 70 75 80
 Gly Val Thr Ile Asp Leu Ile Asn Pro Asp Thr Tyr Arg Ile Asp Pro
 85 90 95
 Asn Val Leu Leu Asp Pro Ala Asp Glu Lys Leu Leu Glu Glu Ile
 100 105 110

Gln Ala Pro Thr Ser Ser Lys Arg Ser Gln Gln His Ala Lys Val Val
 115 120 125
 Pro Trp Met Arg Lys Thr Glu Tyr Ile Ser Thr Glu Phe Asn Arg Tyr
 130 135 140
 Gly Ile Ser Asn Glu Lys Pro Glu Val Lys Ile Gly Val Ser Val Lys
 145 150 155 160
 Gln Gln Phe Thr Glu Glu Glu Ile Tyr Lys Asp Arg Asp Ser Gln Ile
 165 170 175
 Thr Ala Ile Glu Lys Thr Phe Glu Asp Ala Gln Lys Ser Ile Ser Gln
 180 185 190
 His Tyr Ser Lys Pro Arg Val Thr Pro Val Glu Val Met Pro Val Phe
 195 200 205
 Pro Asp Phe Lys Met Trp Ile Asn Pro Cys Ala Gln Val Ile Phe Asp
 210 215 220
 Ser Asp Pro Ala Pro Lys Asp Thr Ser Gly Ala Ala Ala Leu Glu Met
 225 230 235 240
 Met Ser Gln Ala Met Ile Arg Gly Met Met Asp Glu Glu Gly Asn Gln
 245 250 255
 Phe Val Ala Tyr Phe Leu Pro Val Glu Glu Thr Leu Lys Lys Arg Lys
 260 265 270
 Arg Asp Gln Glu Glu Glu Met Asp Tyr Ala Pro Asp Asp Val Tyr Asp
 275 280 285
 Tyr Lys Ile Ala Arg Glu Tyr Asn Trp Asn Val Lys Asn Lys Ala Ser
 290 295 300
 Lys Gly Tyr Glu Glu Asn Tyr Phe Phe Ile Phe Arg Glu Gly Asp Gly
 305 310 315 320
 Val Tyr Tyr Asn Glu Leu Glu Thr Arg Val Arg Leu Ser Lys Arg Arg
 325 330 335
 Ala Lys Ala Gly Val Gln Ser Gly Thr Asn Ala Leu Leu Val Val Lys
 340 345 350
 His Arg Asp Met Asn Glu Lys Glu Leu Glu Ala Gln Glu Ala Arg Lys
 355 360 365
 Ala Gln Leu Glu Asn His Glu Pro Glu Glu Glu Glu Glu Glu Met
 370 375 380
 Glu Thr Glu Glu Lys Glu Ala Gly Gly Ser Asp Glu Glu Gln Glu Lys
 385 390 395 400
 Gly Ser Ser Ser Xaa Lys Glu Gly Ser Glu Asp Glu His Ser Gly Ser
 405 410 415
 Glu Ser Glu Arg Glu Glu Gly Asp Arg Asp Glu Ala Ser Asp Lys Ser
 420 425 430
 Gly Ser Gly Glu Asp Glu Ser Ser Glu Asp Glu Ala Arg Ala Ala Arg
 435 440 445
 Asp Lys Glu Glu Ile Phe Gly Ser Asp Ala Asp Ser Glu Asp Asp Ala
 450 455 460

Asp Ser Asp Asp Glu Asp Arg Gly Gln
465 470

<210> 411
<211> 38
<212> PRT
<213> Homo sapiens

<400> 411
Met Ala Pro Thr Ile Gln Thr Gln Ala Gln Arg Glu Asp Gly His Arg
1 5 10 15
Pro Asn Ser His Arg Thr Leu Pro Glu Arg Ser Gly Val Val Cys Arg
20 25 30
Val Lys Tyr Cys Asn Ser
35

<210> 412
<211> 38
<212> PRT
<213> Homo sapiens

<400> 412
Leu Pro Asp Ile Pro Phe Asp Pro Lys Phe Ile Thr Tyr Pro Phe Asp
1 5 10 15
Gln Asn Arg Phe Val Gln Tyr Lys Ala Thr Ser Leu Glu Lys Gln His
20 25 30
Lys His Asp Leu Leu Thr
35

<210> 413
<211> 38
<212> PRT
<213> Homo sapiens

<400> 413
Glu Pro Asp Leu Gly Val Thr Ile Asp Leu Ile Asn Pro Asp Thr Tyr
1 5 10 15
Arg Ile Asp Pro Asn Val Leu Leu Asp Pro Ala Asp Glu Lys Leu Leu
20 25 30
Glu Glu Glu Ile Gln Ala
35

<210> 414
<211> 38
<212> PRT
<213> Homo sapiens

<400> 414
Pro Thr Ser Ser Lys Arg Ser Gln Gln His Ala Lys Val Val Pro Trp
1 5 10 15
Met Arg Lys Thr Glu Tyr Ile Ser Thr Glu Phe Asn Arg Tyr Gly Ile
20 25 30
Ser Asn Glu Lys Pro Glu
35

<210> 415
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 415
 Val Lys Ile Gly Val Ser Val Lys Gln Gln Phe Thr Glu Glu Glu Ile
 1 5 10 15
 Tyr Lys Asp Arg Asp Ser Gln Ile Thr Ala Ile Glu Lys Thr Phe Glu
 20 25 30
 Asp Ala Gln Lys Ser Ile
 35

<210> 416
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 416
 Ser Gln His Tyr Ser Lys Pro Arg Val Thr Pro Val Glu Val Met Pro
 1 5 10 15
 Val Phe Pro Asp Phe Lys Met Trp Ile Asn Pro Cys Ala Gln Val Ile
 20 25 30
 Phe Asp Ser Asp Pro Ala
 35

<210> 417
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 417
 Pro Lys Asp Thr Ser Gly Ala Ala Ala Leu Glu Met Met Ser Gln Ala
 1 5 10 15
 Met Ile Arg Gly Met Met Asp Glu Glu Gly Asn Gln Phe Val Ala Tyr
 20 25 30
 Phe Leu Pro Val Glu Glu
 35

<210> 418
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 418
 Thr Leu Lys Lys Arg Lys Arg Asp Gln Glu Glu Glu Met Asp Tyr Ala
 1 5 10 15
 Pro Asp Asp Val Tyr Asp Tyr Lys Ile Ala Arg Glu Tyr Asn Trp Asn
 20 25 30
 Val Lys Asn Lys Ala Ser
 35

<400> 419
Lys Gly Tyr Glu Glu Asn Tyr Phe Phe Ile Phe Arg Glu Gly Asp Gly
1 5 10 15

Ala Lys Ala Gly Val Gln
35

<400> 420
Ser Gly Thr Asn Ala Leu Leu Val Val Lys His Arg Asp Met Asn Glu
1 5 10 15

Glu Pro Glu Glu Glu Glu
35

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<220>  
<221> SITE  
<222> (25)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<400> 421
Glu Glu Glu Met Glu Thr Glu Glu Lys Glu Ala Gly Gly Ser Asp Glu
1 5 10 15

His Ser Gly Ser Glu Ser
35

<400> 422
Glu Arg Glu Glu Gly Asp Arg Asp Glu Ala Ser Asp Lys Ser Gly Ser
1 5 10 15

Gly Glu Asp Glu Ser Ser Glu Asp Glu Ala Arg Ala Ala
20 25

<210> 423
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 423
 Arg Asp Lys Glu Glu Ile Phe Gly Ser Asp Ala Asp Ser Glu Asp Asp
 1 5 10 15
 Ala Asp Ser Asp Asp Glu Asp Arg Gly Gln
 20 25

<210> 424
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 424
 Tyr Lys Met Phe Leu Ser Tyr Ser Leu Glu
 1 5 10

<210> 425
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 425
 Pro Arg Val Arg Phe Gly Ser Ala Pro Ala Pro Gln Pro Ser Cys Val
 1 5 10 15
 His Thr Ala Val Pro Leu Pro Leu Gly Gly Leu Asp Thr His Pro Ala
 20 25 30
 Arg Gly Ala Thr Lys Leu Cys Pro Asp Glu Ala Arg Trp Ala Pro Arg
 35 40 45
 Ser Leu Pro Leu Ser Arg Arg Val Leu Ala Ser Pro Gly Phe Ala Phe
 50 55 60
 Leu Arg Ile
 65

<210> 426
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 426
 Pro Arg Val Arg Phe Gly Ser Ala Pro Ala Pro Gln Pro Ser Cys Val
 1 5 10 15
 His Thr Ala Val Pro Leu Pro Leu Gly Gly Leu Asp Thr His Pro Ala
 20 25 30
 Arg Gly

<210> 427
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 427

Ala Thr Lys Leu Cys Pro Asp Glu Ala Arg Trp Ala Pro Arg Ser Leu
 1 5 10 15

Pro Leu Ser Arg Arg Val Leu Ala Ser Pro Gly Phe Ala Phe Leu Arg
 20 25 30

Ile

<210> 428

<211> 80

<212> PRT

<213> Homo sapiens

<400> 428

Ser Gln Val Gly Ser Ala Phe Thr Pro Thr Leu Pro Lys Gly Ala Gly
 1 5 10 15

Leu Pro Arg Val Cys Leu Leu Thr Asp Leu Asp Glu Val Arg Gly Ser
 20 25 30

Pro Ile Arg Ala Ala Leu Arg Ile Val Ile Phe Leu Phe Ala Cys Gly
 35 40 45

Phe Asn Phe Cys Ile Phe Leu Ile Thr Ser Leu Ile Gln Asn Val Phe
 50 55 60

Ile Val Leu Phe Gly Asp Ala His Ser Thr Phe Glu Phe Ser Phe Tyr
 65 70 75 80

<210> 429

<211> 44

<212> PRT

<213> Homo sapiens

<400> 429

Ser Gln Val Gly Ser Ala Phe Thr Pro Thr Leu Pro Lys Gly Ala Gly
 1 5 10 15

Leu Pro Arg Val Cys Leu Leu Thr Asp Leu Asp Glu Val Arg Gly Ser
 20 25 30

Pro Ile Arg Ala Ala Leu Arg Ile Val Ile Phe Leu
 35 40

<210> 430

<211> 36

<212> PRT

<213> Homo sapiens

<400> 430

Phe Ala Cys Gly Phe Asn Phe Cys Ile Phe Leu Ile Thr Ser Leu Ile
 1 5 10 15

Gln Asn Val Phe Ile Val Leu Phe Gly Asp Ala His Ser Thr Phe Glu
 20 25 30

Phe Ser Phe Tyr
 35

<210> 431
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 431
 His Glu Leu Val Arg 5 Ile Arg His Glu 10 Ser Thr Ser Gln Ile Pro Gly 15
 1
 Met Thr Gly Thr Cys His His Ser Leu Phe Ser Phe Leu Ile Phe Ser 30
 20 25
 Phe Phe Leu Ala Ile Gly Ser Pro Phe Val Ala Gln Val Gly Leu Glu 45
 35 40
 Leu Leu Gly Ser Asn Asp Pro Leu Ala Ser Ala Ser Gln Ser Val Arg 60
 50 55
 Ile Thr Gly Met Ser Tyr Cys Ala Trp Pro Lys Ser Tyr Ser Tyr His 80
 65 70 75

<210> 432
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 432
 Trp Asn Pro Pro Arg Ala Ala Arg Lys Ser Gly His Glu Ile Phe Ser 15
 1 5 10
 Arg Asp Met Val Ser Ser Cys Trp Pro Gly Trp Ser Pro Ser Leu Asp 30
 20 25
 Leu Val Ile Leu Ala Leu Trp Glu Ala Lys Ala Gly Gly Ser Phe Glu 45
 35 40
 Leu Arg Ser Ser Arg Pro Pro Ser Gln His Asn Glu Ser Thr Leu Glu 60
 50 55
 Ala Arg Ser Gly Trp Ile Thr Arg Ser Gly Asp Arg Asp His Pro Gly 80
 65 70 75

<210> 433
 <211> 198
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (174)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (186)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 433
 Asn Ser Ala Arg Ala Gln Phe Val Gln Ala Leu Ser Pro Met Leu Phe
 1 5 10 15
 Leu Pro Leu Pro Cys Leu Pro Phe Trp Ser Cys Arg Met Asn His Pro
 20 25 30
 Pro Glu Gly Ser Thr Val Val Phe Phe Xaa Leu Phe Phe Phe Glu
 35 40 45
 Thr Val Leu Leu Cys Cys Pro Gly Trp Ser Ala Val Val Gln Ser Arg
 50 55 60
 Leu Ala Ala Thr Ser Ala Ser Trp Phe Lys Arg Phe Ser Phe Leu Ser
 65 70 75 80
 Leu Leu Ser Ser Trp Glu Tyr Gly Cys Ala Pro Pro Arg Leu Ala Asn
 85 90 95
 Phe Cys Ile Phe Ser Arg Asp Gly Val Ser Pro Cys Trp Pro Gly Trp
 100 105 110
 Ser Arg Met Pro Asp Leu Val Val His Pro Xaa Arg Pro Pro Lys Val
 115 120 125
 Leu Gly Leu Gln Val Cys Ala Ala Pro Gly Gln Ala Phe Phe Ser
 130 135 140
 Leu Gly Leu Leu Trp Pro Pro Arg Leu Gly Thr Arg Gly Pro Pro Gly
 145 150 155 160
 Thr Gly Ile Pro Ser Cys Thr Leu Ile His Gly Ala Leu Xaa Glu Met
 165 170 175
 Gln Val Leu Gln Gly Thr Gly Phe His Xaa Phe Trp Gly Asp Gln Pro
 180 185 190
 Ser Ser Pro Arg Ile Pro
 195

<210> 434
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 434
 Leu Cys Leu Leu Lys Arg Pro Ser Pro Ile Leu Phe Asn Pro Gly Ser
 1 5 10 15
 Pro Ser Gly Gly Pro Thr Leu Gly Thr Ser Pro Thr Asp Gly Pro
 20 25 30
 Leu Ala Ser Ala Ile Leu Leu Ala Ala Ile Ser Trp Ala Lys Met Leu
 35 40 45
 Leu Xaa Pro Asp Val Ala Asp Xaa Pro Cys Gly Xaa Lys Arg Lys Pro
 50 55 60
 Xaa Leu Leu Met Leu Ile Ile Pro Leu Ser Ser Gln Pro Leu Tyr Ile
 65 70 75 80
 Lys Ala Ser Gly Thr Lys Arg
 85

<210> 435
 <211> 141
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 435
 Gly Ala Ala Arg Val Pro Val Pro Arg Gly Ala Met Arg Tyr Asn Glu
 1 5 10 15
 Lys Glu Leu Gln Ala Leu Ser Arg Gln Pro Ala Glu Met Ala Ala Glu
 20 25 30
 Leu Gly Met Arg Gly Pro Lys Lys Gly Xaa Asp Glu Ala Glu Pro Val
 35 40 45
 Gly Ala Leu Leu Leu Glu Arg Cys Arg Val Val Arg Glu Glu Pro Gly
 50 55 60
 Thr Phe Ser Ile Ser Phe Ile Glu Asp Pro Glu Arg Lys Tyr His Phe
 65 70 75 80
 Glu Cys Ser Ser Glu Glu Gln Cys Gln Glu Trp Met Glu Ala Leu Arg
 85 90 95
 Arg Ala Ser Tyr Glu Phe Met Arg Arg Ser Leu Ile Phe Tyr Arg Asn
 100 105 110
 Glu Ile Arg Lys Val Thr Gly Lys Asp Pro Leu Glu Gln Phe Gly Ile
 115 120 125

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<220>
<221> SITE
<222> (69)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (86)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 439

Gly Val Gly Arg Arg Pro Ser Gly Arg Ser Arg Gly Ser Val Pro Thr
1 5 10 15

Gly Gly Leu Ala Pro His Pro Pro Met Ser Ser Pro Gly Ala Ser Val
20 25 30

Cys Pro Ser Val Lys Trp Ala Glu Gly Gln His His Leu Met Glu Leu
35 40 45

Ser Ser Gly Leu Gln Ala Val Asn Leu Lys Ala Trp His Met Gly Gly
50 55 60

Pro His Glu Asp Xaa Ile Leu Arg Cys Val Val Glu Phe Ser Gln Gln
65 70 75 80

Arg Glu Ala Cys Arg Xaa Ala Ala Glu Pro Gly Val Leu Glu Glu Gln
85 90 95

Thr Cys Gly Arg Gly Ala Gly Gly Thr Gly Cys Glu Val Arg
100 105 110

<210> 440

<211> 25

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 440

Thr Ala Gly Glu Cys Arg Lys Lys Ala Asn Thr Asp Xaa His Gly
1 5 10 15

Gly Arg Arg Arg Ser Thr Gln Met Gly
20 25

<210> 441

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 441

Glu Val Leu Val Thr Arg Glu Gly Gly Trp Arg Cys Pro Gly Leu Trp
1 5 10 15

Pro Phe Gly Gly Trp Ala Gly Lys Thr Asp Gly Glu Arg Arg Glu Gly
 20 25 30
 Gly Arg Arg Thr Gln Trp Leu Gly Cys Glu Pro Leu Val Glu Gly Trp
 35 40 45
 Gly Gly Ala Asp Leu Arg Thr Gly Trp Gly Leu Gly Ile Leu Val Leu
 50 55 60
 Asp Val Ala Gly Gly Gly Cys Ser Trp Leu Pro Gly Met Asn Gln Ser
 65 70 75 80
 Val Val Trp Pro Ser Ser Ser His Pro Leu Met Tyr Cys Ser Leu Val
 85 90 95
 Leu Gln Pro Asp Pro Cys Pro Gly Phe Ser Gly Ile Pro Ala Gln Leu
 100 105 110
 Phe Thr Gly Trp Ala Gly Ala Val Leu Ser Thr Gly Leu Gly Pro Pro
 115 120 125
 Xaa Gly Leu Leu Glu Gln Thr Xaa
 130 135

 <210> 442
 <211> 78
 <212> PRT
 <213> Homo sapiens

 <400> 442
 Ala Pro Ser Met Asn Trp Arg Leu Cys Ser Pro Trp Glu Met Gly Ala
 1 5 10 15
 Gln Gly Gly Pro Pro Glu Glu Pro Leu Phe Tyr Val Ala Leu Val Val
 20 25 30
 Phe His Gly Trp Cys Ser Gly Ser Pro Tyr Gln Glu Glu Ala Pro Pro
 35 40 45
 Cys Glu Gly Gly Gly Pro Glu Gly Gly Pro Arg Lys Pro Asp Gln Glu
 50 55 60
 Pro Gly Asn Gln Val Gln Asp Leu Pro Gly His Ala Arg Val
 65 70 75

<210> 443
 <211> 80
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 443

Glu Ile Ser Xaa Ala Xaa His Xaa Phe Phe Cys Xaa Xaa Leu Lys Leu
1 5 10 15

Phe Ser Ser Pro Gln Glu Gln His Xaa Gln Trp Val Trp Lys Trp Ala
20 25 30

Gly His Glu Ala Met Val Leu His Cys Ile Ala Trp Leu Gln Xaa Gly
35 40 45

Ile Ser Phe Leu Phe Leu Phe Leu Cys Val Ile Ala Ile Gly Ala Thr
50 55 60

Asn Phe Ala Ser Pro Xaa Phe Tyr Lys Leu Val Ser Ser Gly Val Ala
65 70 75 80

<210> 444

<211> 77

<212> PRT

<213> Homo sapiens

<400> 444

Gln Gln Pro Gln Gln Lys Met Gln Met Gly Lys Trp Val Ser Arg Leu
1 5 10 15

Leu Arg Leu Trp Asn Met Gly Ile Gln Leu Ala Leu Ala Pro Ala Leu
20 25 30

Ser Trp Gly Cys Ser Ser Ala Ser Cys Pro Val Cys Cys Gly Lys Thr
35 40 45

Glu Pro Leu Val Arg Leu Ala Arg Arg Arg Arg Ser Arg Arg Gln Ala
50 55 60

Ala Gln Ile Trp Glu Leu Ser Ala Ile Val Pro Ser Val

65

70

75

<210> 445
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 445
 Met Ala Leu Ser Ser Gln Ile Trp Ala Ala Cys Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Ala Ser Leu Thr Ser Gly Ser Val Phe Pro Gln Gln Thr Gly
 20 25 30
 Gln Leu Ala Glu Leu Gln Pro Gln Asp Arg Ala Gly Ala Arg Ala Ser
 35 40 45
 Trp Met Pro Met Phe Gln Arg Arg Arg Arg Asp Thr His Phe Pro
 50 55 60
 Ile Cys Ile Phe Cys Cys Gly Cys Cys His Arg Ser Lys Cys Gly Met
 65 70 75 80
 Cys Cys Lys Thr

<210> 446
 <211> 222
 <212> PRT
 <213> Homo sapiens

<400> 446
 Ser Ser Phe His Phe Leu Trp Ala Gly Leu Ser Gly Leu Leu Trp Pro
 1 5 10 15
 Ala Met Pro Gly His Val Pro Leu Cys Pro Leu Val Leu Gln Val Pro
 20 25 30
 Ser Pro Ala Ser Gly Ala Arg Gln Leu Ala Thr Trp Glu Gly Arg Ser
 35 40 45
 Gln Glu Phe His Thr Leu Val Leu Arg Pro Glu Pro Ala Leu Arg Leu
 50 55 60
 Pro Ala Pro Gln Asp Thr Ala Gly Cys Trp Thr Pro Ser Ser Leu Val
 65 70 75 80
 Cys Val Cys Val Ala Glu Lys Asp Lys Thr Val Gln Ser Ala Ala Tyr
 85 90 95
 Ser Gln Ser Gly Val Trp Ser Val Cys Leu Leu Cys Gly Ser Ser
 100 105 110
 Arg Thr Thr Ser Phe Leu Val Leu Phe Gly Phe Trp His Leu Val Phe
 115 120 125
 Leu Thr Thr Asn Asn Gly Glu Lys Glu Leu Ile Leu Ser Asp Thr Glu
 130 135 140
 Asp Cys Leu Thr Leu Val Ser Val Arg Ser His Lys Arg Glu Thr Glu
 145 150 155 160
 Phe Cys Gly Ser Ala His Arg Thr Asp Pro Gln Pro Arg Gln Arg Val
 165 170 175

Cys Gly Asp Gly Ala Leu Ser Cys Gln Gly Ala Pro Gly Ala Glu Pro
180 185 190

Gly Pro Gly Glu Leu Ala Trp Ser Pro Gln Asp Ser Ala Ala Trp Thr
195 200 205

Val Thr Leu Ala Leu Phe Leu Leu Gln Ala Arg Asn His Ile
210 215 220

<210> 447
<211> 16
<212> PRT
<213> Homo sapiens

<400> 447
His Ile Ile Val Asn Tyr Gly His Pro Thr Val Leu Ser Asn Thr Arg
1 5 10 15

<210> 448
<211> 422
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (355)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 448
Pro Pro Arg Pro Thr Leu Asp Pro Ile Gln Arg Gly Gly Ser Asp Pro
1 5 10 15

His Leu Pro Thr Gly Arg Gly Pro Arg Ser Asp Leu Cys Pro Asp Ile
20 25 30

Ala Gly Leu Cys Lys Thr Gly Pro Gly Glu Xaa Arg Arg Glu Glu Asn
35 40 45

Gln Ser Gly Gly Pro Glu Glu Ser Pro Ala Met Leu Pro Thr Phe Leu
50 55 60

Leu Met Asn Leu Leu Ser Leu Ala Gly Asp Val Ala Leu Gln Gln Leu
65 70 75 80

Val His Leu Glu Gln Ala Val Ser Gly Glu Leu Cys Arg Arg Arg Val
85 90 95

Leu Arg Glu Glu Gln Glu His Lys Thr Lys Asp Pro Lys Glu Lys Asn
100 105 110

Thr Ser Ser Glu Thr Thr Met Glu Glu Glu Leu Gly Leu Val Gly Ala
115 120 125

Thr Ala Asp Asp Thr Glu Ala Glu Leu Ile Arg Gly Ile Cys Glu Met
130 135 140

Glu Leu Leu Asp Gly Lys Gln Thr Leu Ala Ala Phe Val Pro Leu Leu
 145 150 155 160
 Leu Lys Val Cys Asn Pro Gly Leu Tyr Ser Asn Pro Asp Leu Ser
 165 170 175
 Ala Ala Ala Ser Leu Ala Leu Gly Lys Phe Cys Met Ile Ser Ala Thr
 180 185 190
 Phe Cys Asp Ser Gln Leu Arg Leu Leu Phe Thr Met Leu Glu, Lys Ser
 195 200 205
 Pro Leu Pro Ile Val Arg Ser Asn Leu Met Val Ala Thr Gly Asp Leu
 210 215 220
 Ala Ile Arg Phe Pro Asn Leu Val Asp Pro Trp Thr Pro His Leu Tyr
 225 230 235
 Ala Arg Leu Arg Asp Pro Ala Gln Gln Val Arg Lys Thr Ala Gly Leu
 245 250 255
 Val Met Thr His Leu Ile Leu Lys Asp Met Val Lys Val Lys Gly Gln
 260 265 270
 Val Ser Glu Met Ala Val Leu Leu Ile Asp Pro Glu Pro Gln Ile Ala
 275 280 285
 Ala Leu Ala Lys Asn Phe Phe Asn Glu Leu Ser His Lys Gly Asn Ala
 290 295 300
 Ile Tyr Asn Leu Leu Pro Asp Ile Ile Ser Arg Leu Ser Asp Pro Glu
 305 310 315 320
 Leu Gly Val Glu Glu Glu Pro Phe His Thr Ile Met Lys Gln Leu Leu
 325 330 335
 Ser Tyr Ile Thr Lys Asp Lys Gln Thr Glu Ser Leu Val Glu Lys Leu
 340 345 350
 Cys Gln Xaa Phe Arg Thr Ser Arg Thr Glu Arg His Ser Glu Thr Trp
 355 360 365
 Pro Thr Val Cys His Ser Cys Pro Ser Gln Ser Glu Ala Ser Val Arg
 370 375 380
 Cys Leu Thr Ile Leu Thr Val Leu Glu Thr Asn Cys Gln Met Ser Pro
 385 390 395 400
 Ser Ser Val Leu Phe Cys Gln Leu Trp Ala Ser Cys Asp Val Gly Pro
 405 410 415
 Ser Leu Arg Ala Arg Leu
 420

<210> 449

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 449

His Glu Leu Phe Pro Pro Arg Trp Trp Pro Asp Lys Phe Ile Ser Lys
 1 5 10 15

Val Gly Phe Thr Ile Ala Asn Ala Arg Asp Leu Xaa His Thr Phe Pro
 20 25 30

Thr Met Lys Leu Glu Asn Tyr Leu Phe Glu Ser Leu Ser Leu Ile Ile
 35 40 45

Val Val Trp Ser Leu Ser Asn Ser Ser Glu Val Cys Arg Lys Val Lys
 50 55 60

Gln Ile Val Gly
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<210> 450

<211> 166

<212> PRT

<213> Homo sapiens

<400> 450

Ser Lys Met Ser Arg Leu Glu Ala Lys Lys Pro Ser Leu Cys Lys Ser
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Glu Pro Leu Thr Thr Glu Arg Val Arg Thr Thr Leu Ser Val Leu Lys
 20 25 30

Arg Ile Val Thr Ser Cys Tyr Gly Pro Ser Gly Arg Leu Lys Gln Leu
 35 40 45

His Asn Gly Phe Gly Gly Tyr Val Cys Thr Thr Ser Gln Ser Ser Ala
 50 55 60

Leu Leu Ser His Leu Leu Val Thr His Pro Ile Leu Lys Ile Leu Thr
 65 70 75 80

Ala Ser Ile Gln Asn His Val Ser Ser Phe Ser Asp Cys Gly Leu Phe
 85 90 95

Thr Ala Ile Leu Cys Cys Asn Leu Ile Glu Asn Val Gln Arg Leu Gly
 100 105 110

Leu Thr Pro Thr Thr Val Ile Arg Leu Asn Lys His Leu Leu Ser Leu
 115 120 125

Cys Ile Ser Tyr Leu Lys Ser Glu Thr Cys Gly Cys Arg Ile Pro Val
 130 135 140

Asp Phe Ser Ser Thr Gln Ile Leu Leu Cys Leu Val Arg Ser Ile Leu
 145 150 155 160

Thr Ser Lys Pro Ala Cys
 165

<210> 451

<211> 21

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<213> Homo sapiens

<400> 451

Lys Pro Ser Leu Cys Lys Ser Glu Pro Leu Thr Thr Glu Arg Val Arg
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Thr Thr Leu Ser Val
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1 5 10 15

Lys Gln Leu His
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Leu Leu Ser His Leu
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<210> 454
<211> 21
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1 5 10 15

Asn His Val Ser Ser
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1 5 10 15

Ile Glu Asn Val
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Val Gln Arg Leu Gly Leu Thr Pro Thr Thr Val Ile Arg Leu Asn Lys
1 5 10 15

His Leu Leu Ser Leu
20